Date _____

Fill in the missing numbers.
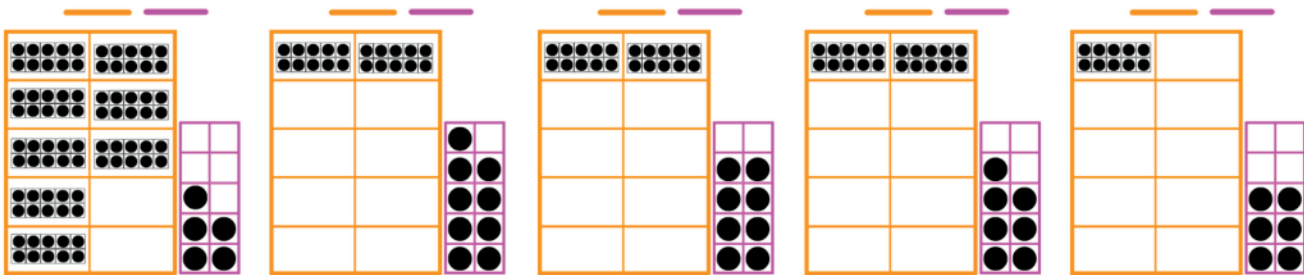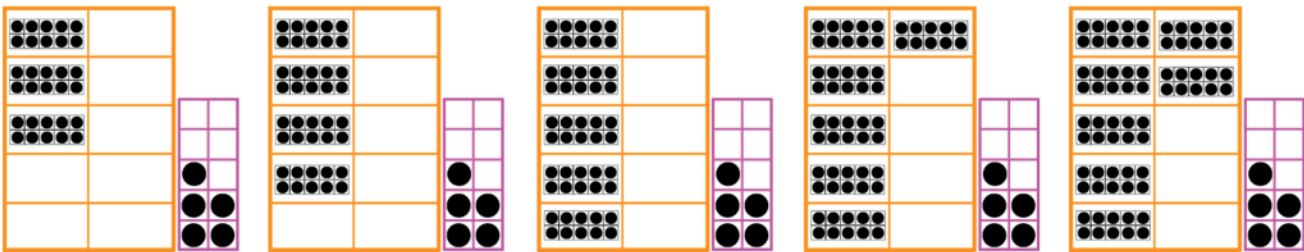
61				65					
		73	74					79	80
	82					87			
91					96				100

What numbers do these ten frames represent?
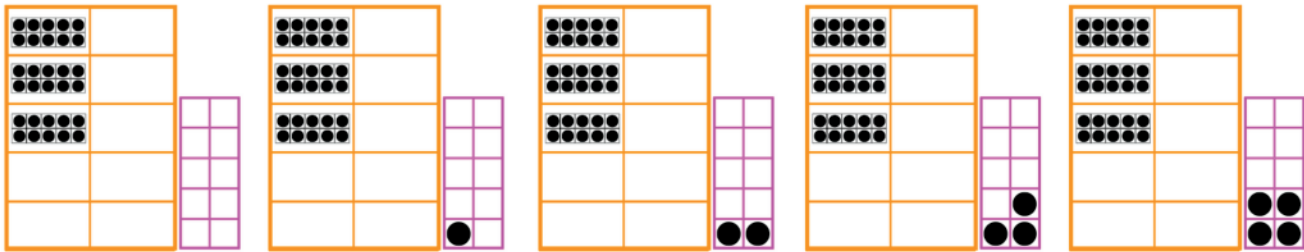
30   31

What numbers do these base ten blocks and ten frames represent?
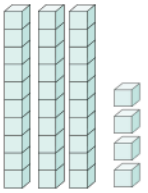
3 4

___ ___   ___ ___   ___ ___   ___ ___   ___ ___

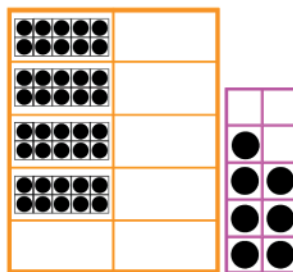___ ___   ___ ___   ___ ___   ___ ___   ___ ___

___ ___   ___ ___   ___ ___   ___ ___   ___ ___

___ ___   ___ ___   ___ ___   ___ ___

___ ___   ___ ___   ___ ___   ___ ___
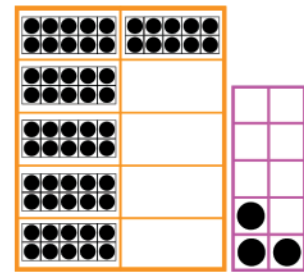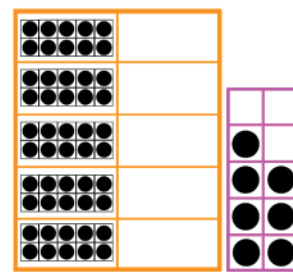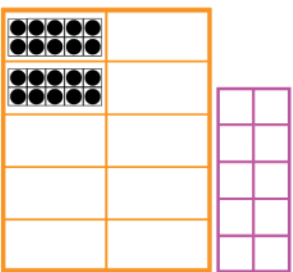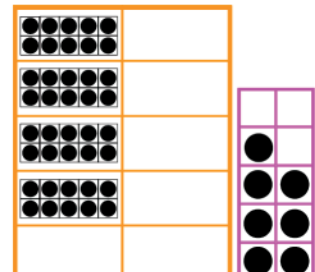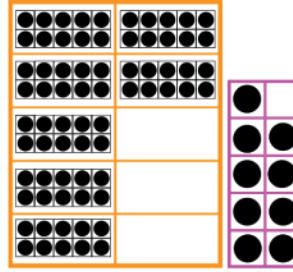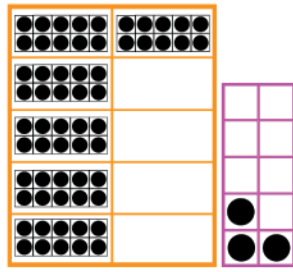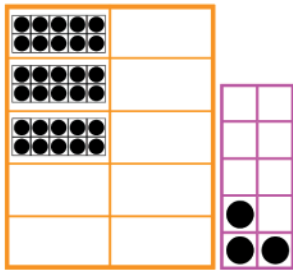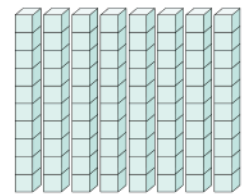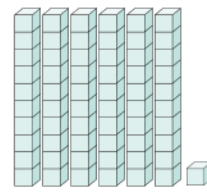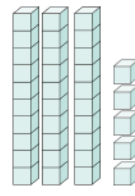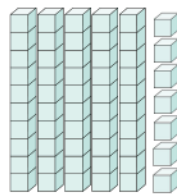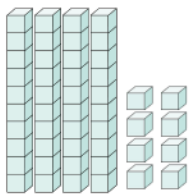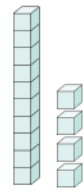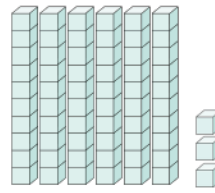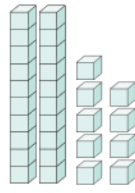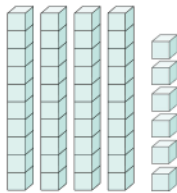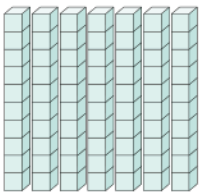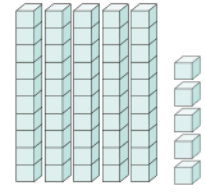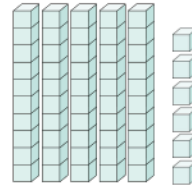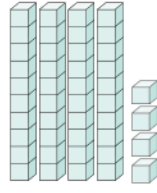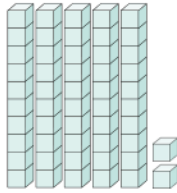
Draw lines to match the analog and digital clocks.

| 12:00 | 2:00 | 9:00 | 4:00 | 7:00 |

What time is shown on these clocks? Write your answers below.
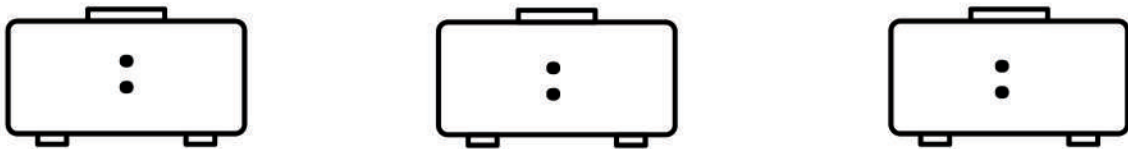
Each X represents 10 dots. Draw X's and dots in the frames to make the numbers below them. Trace the numbers and name them aloud.
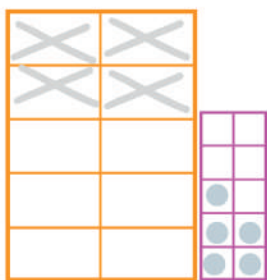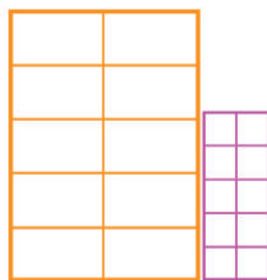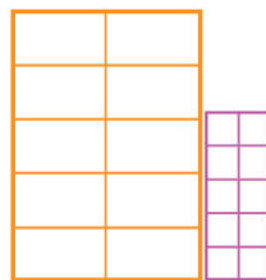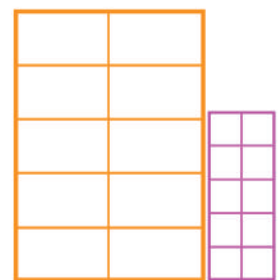
45   46   47   48

Date _____

Comparison Symbols
Always make the shark jaw "eat" the larger amount.

>	<	=
greater than	less than	equal to

Sharks want to eat as many fish as possible. Draw <, >, = symbols between each set of fishbowls. Then fill in the blanks.

_3_ is __less____than__ _7_   _6_ is _greater_than_ _4_

___ is _____ ___   ___ is _____ ___

Find the two numbers you are comparing on the number line. The number FARTHEST to the right is the LARGEST.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
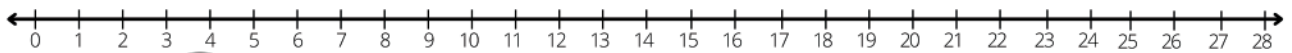
13 ◯ 13   21 ◯ 19   17 ◯ 24

21 ◯ 19   9 ◯ 12   20 ◯ 21

34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63
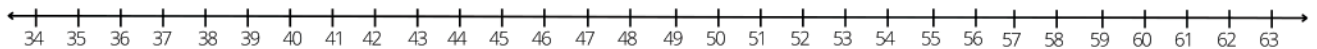
39 ◯ 38   55 ◯ 45   36 ◯ 63

34 ◯ 34   35 ◯ 36   51 ◯ 47

Fill in the missing members of each fact family.
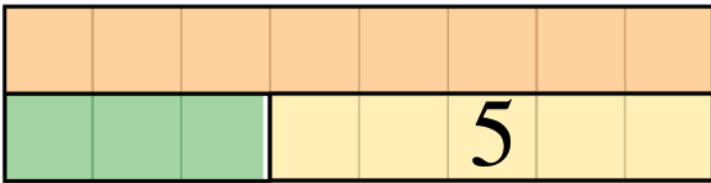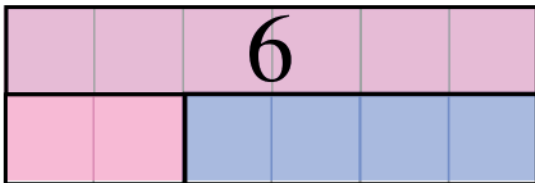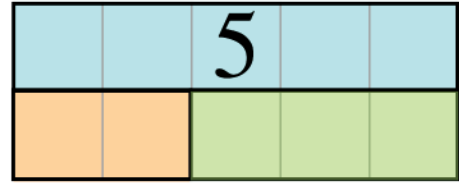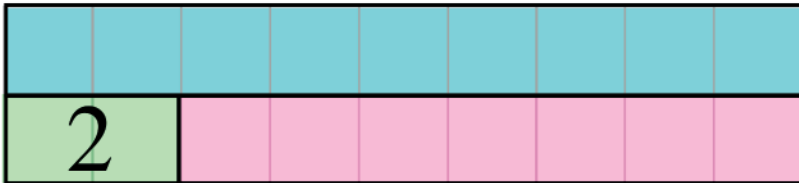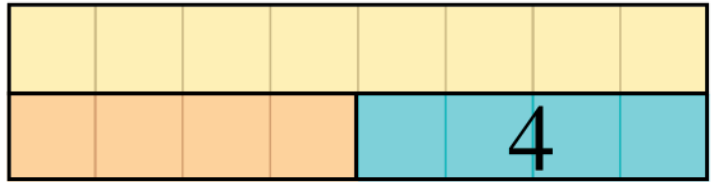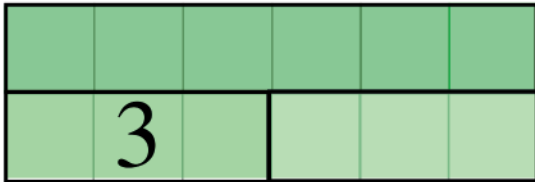
What time does each clock say? Remember that the SHORT hand is the HOUR and the LONG hand is the MINUTES. The hour hand moves across it's HOME (the colored "slice") while the hour hand moves all the way around the clock. Write the times on the digital clocks below each analog clock.

Each X represents 10 dots. Draw X's and dots in the frames to make the numbers below them. Trace the numbers and name them aloud.

74   73   68   53

What numbers do these base ten blocks represent?

55 ___   180 ___   267 ___   ___ ___ ___

___ ___   ___ ___ ___   ___ ___ ___   ___ ___ ___

What numbers do these ten frames represent?

44 ___ ___   ___ ___   ___ ___   ___ ___   ___ ___
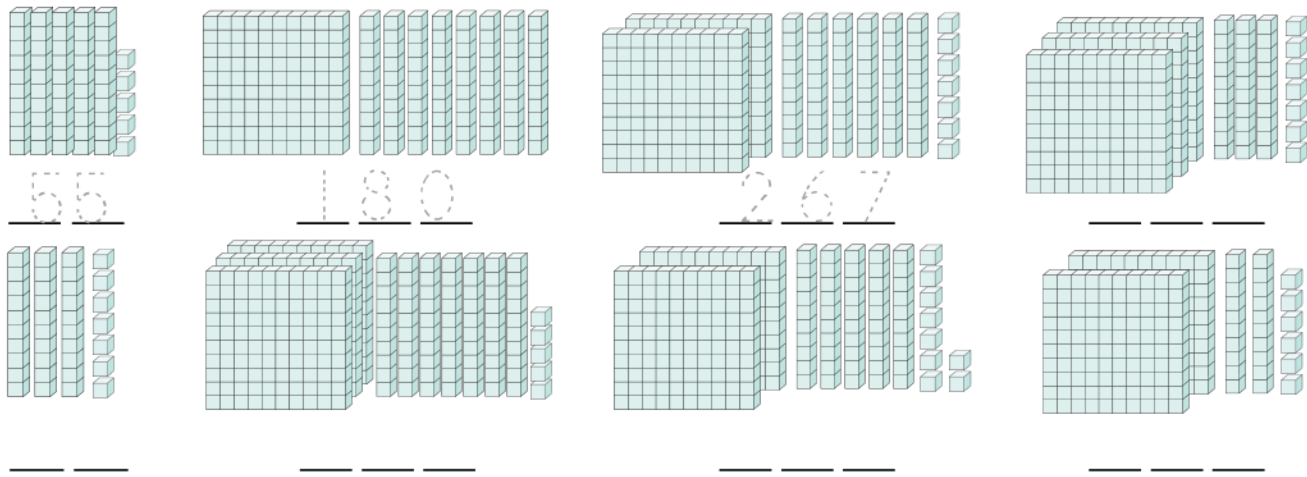
These boxes each hold 100 dots!

100

hundreds	tens	ones

hundreds	tens	ones

hundreds	tens	ones

hundreds	tens	ones

hundreds	tens	ones

hundreds	tens	ones

hundreds	tens	ones
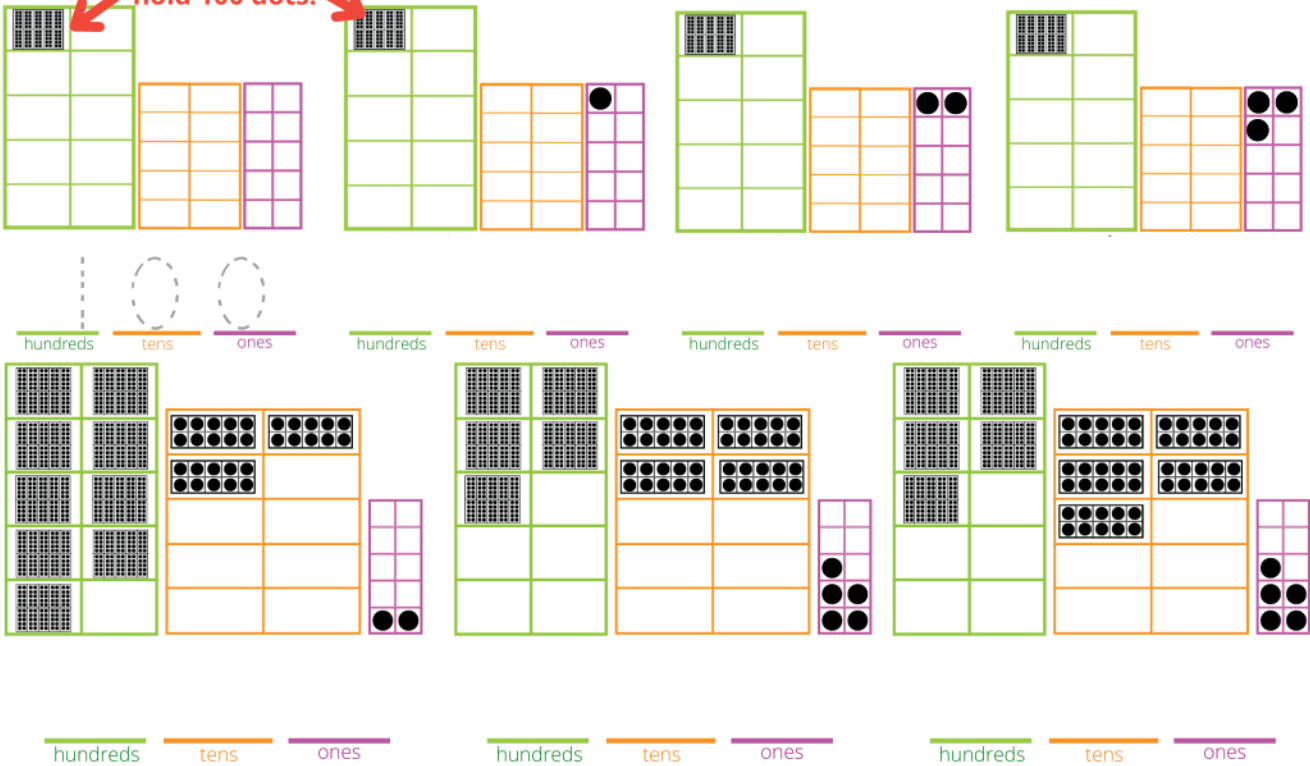
Trace the existing numbers and fill in the missing numbers.

61	62	63							70
71			74		76		78	79	
	82			85		87			90
		93	94					99	100
101			104	105				109	

Write the number in each frame on the lines below. Name each number aloud.
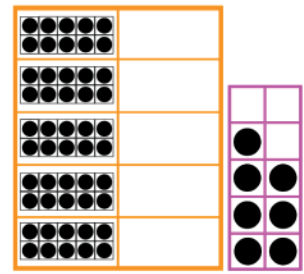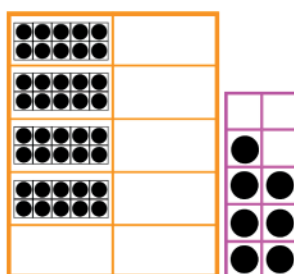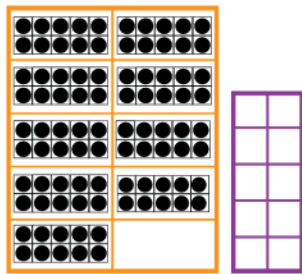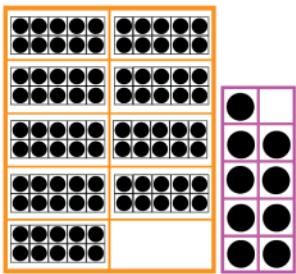
Find the missing sums and addends.

7

What numbers do these ten frames represent?

1 0 0

8
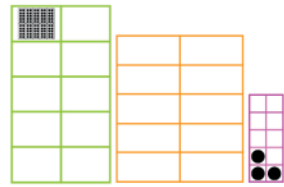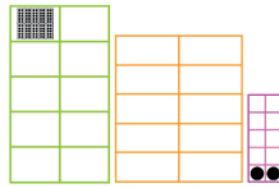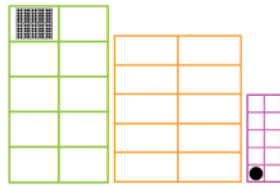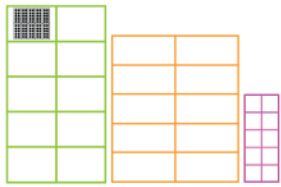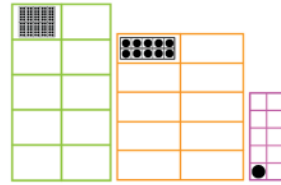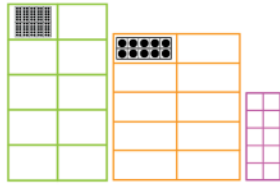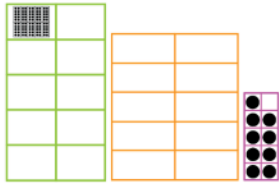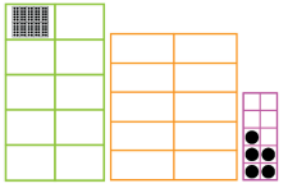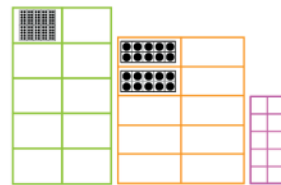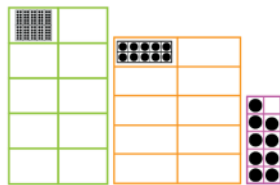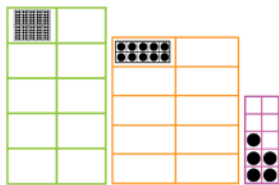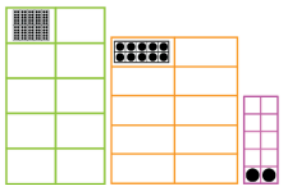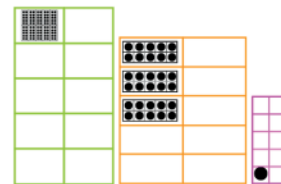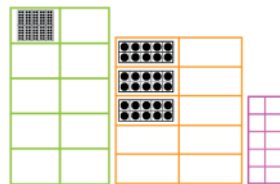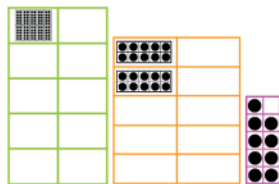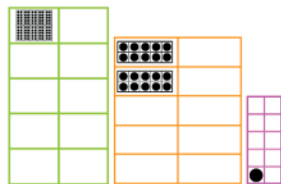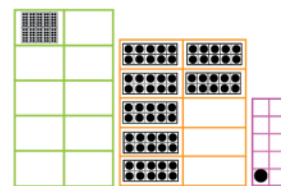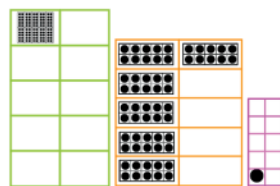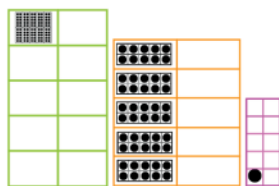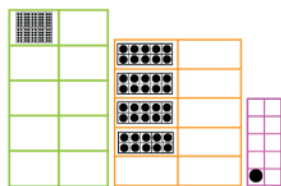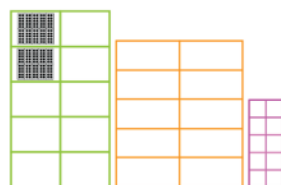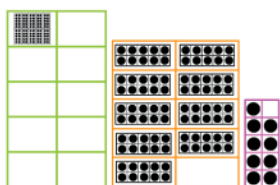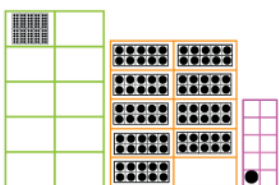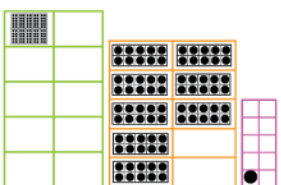
What numbers do these ten frames represent?
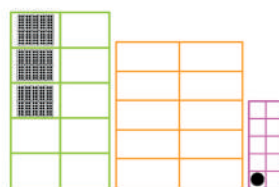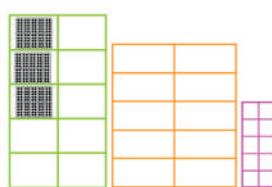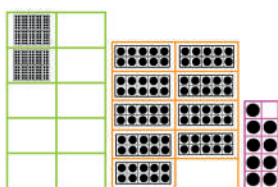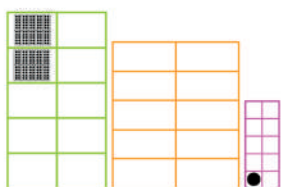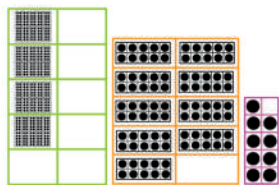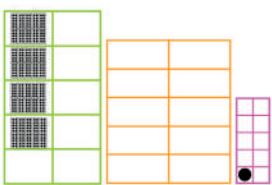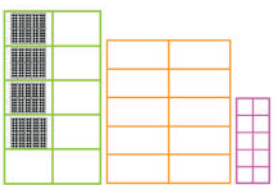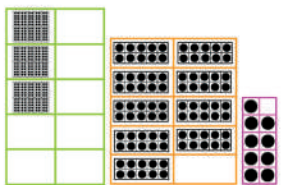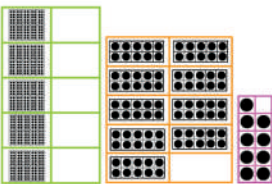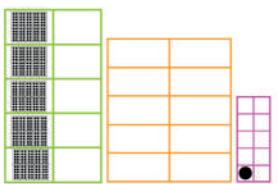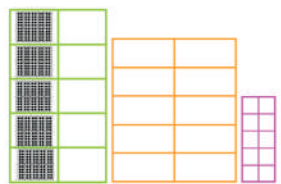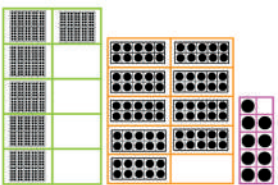
What numbers do these ten frames represent? Write in the numbers then read them aloud to a parent.
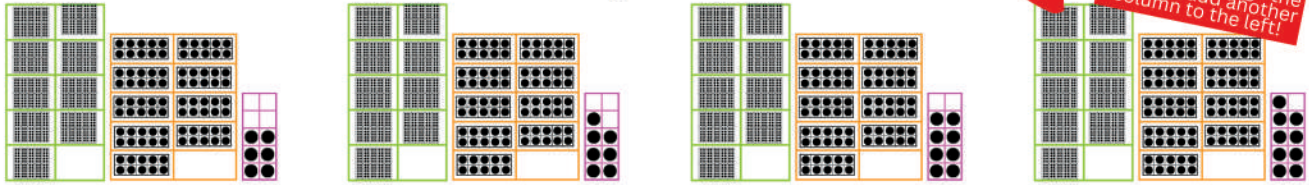
This space holds 1000 dots!

thousands	hundreds	tens	ones

thousands	hundreds	tens	ones

thousands	hundreds	tens	ones

thousands	hundreds	tens	ones

thousands	hundreds	tens	ones

thousands	hundreds	tens	ones

thousands	hundreds	tens	ones

thousands	hundreds	tens	ones

thousands	hundreds	tens	ones

thousands	hundreds	tens	ones

thousands	hundreds	tens	ones

thousands	hundreds	tens	ones

What numbers do these base ten blocks represent?

_____ _____
tens   ones

_____ _____
tens   ones

_____ _____ _____
hundreds tens ones

_____ _____ _____
hundreds tens ones

_____ _____ _____
hundreds tens ones

_____ _____ _____
hundreds tens ones

_____ _____ _____
hundreds tens ones

_____ _____ _____
hundreds tens ones

_____ _____ _____
hundreds tens ones

_____ _____ _____
hundreds tens ones

_____ _____ _____
hundreds tens ones

_____ _____ _____
hundreds tens ones

_____ _____ _____
hundreds tens ones

_____ _____ _____
hundreds tens ones

_____ _____ _____ _____
thousands hundreds tens ones

_____ _____ _____ _____
thousands hundreds tens ones

What flies without wings?

Fill in the missing numbers on the number line below. Circle the number 43 and write an I above it. Circle the number TEN LESS than 43 and write a T above it. Circle the number TEN MORE than 43 and write an M above it. Circle the number TWENTY MORE than 43 and write an E above it.

33 34   36 37   39   41 42 43 44 45 46 47   49 50 51 52 53 54 55 56 57   61 62 63

11
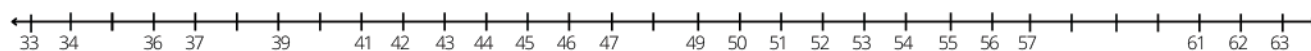
Date _____

Fill in the missing days of the week.

Sunday, _____, _____,
Wednesday, _____, Friday, Saturday.
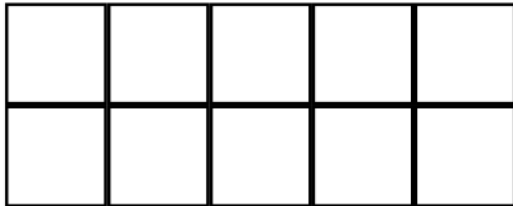
Color 1 square blue and the rest yellow.

___ + ___ = 10
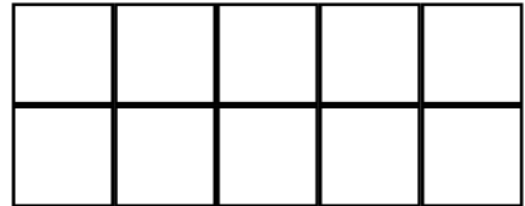
Color 5 squares orange and the rest purple.

___ + ___ = 10
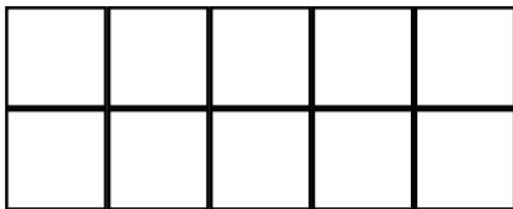
Color 3 square green and the rest red.

___ + ___ = 10

Color 7 squares brown and the rest orange.

___ + ___ = 10
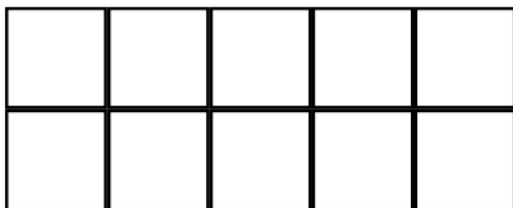
Color 6 squares blue and the rest red.

___ + ___ = 10
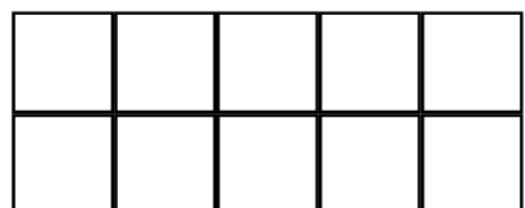
Color 4 squares yellow and the rest pink.

___ + ___ = 10

Write the correct comparison symbol in each circle. Then read each number sentence aloud to your mom or dad. Remember to "eat" the larger number.

5 ◯ 9   8 ◯ 8   0 ◯ 1

7 ◯ 5   4 ◯ 2   6 ◯ 5

Find the two numbers you are comparing on the number line. The number FARTHEST to the right is the LARGEST.

96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127
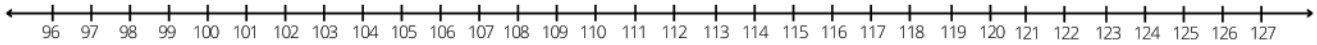
123 ◯ 112   109 ◯ 121   99 ◯ 103

101 ◯ 119   120 ◯ 120   127 ◯ 127

513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542
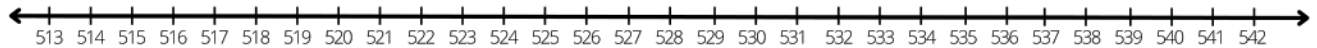
540 ◯ 538   520 ◯ 542   536 ◯ 518

532 ◯ 532   535 ◯ 536   515 ◯ 537

A fact family is a group of three numbers where the two parts make a whole. Complete the fact family houses below.

part + part = whole
whole - part = part

7 whole — **3** part — part **4**

3 + 4 = 7
4 + 3 = 7
7 - 3 = 4
7 - 4 = 3

8 whole — **2** part — part **6**

__ + __ = __
__ + __ = __
__ - __ = __
__ - __ = __

8 whole — **4** part — part **4**

__ + __ = __
__ + __ = __
__ - __ = __
__ - __ = __

8 whole — **3** part — part **5**

__ + __ = __
__ + __ = __
__ - __ = __
__ - __ = __

7 whole — **2** part — part **5**

__ + __ = __
__ + __ = __
__ - __ = __
__ - __ = __

9 whole — **6** part — part **3**

__ + __ = __
__ + __ = __
__ - __ = __
__ - __ = __

9 whole — **4** part — part **5**

__ + __ = __
__ + __ = __
__ - __ = __
__ - __ = __

9 whole — **2** part — part **7**

__ + __ = __
__ + __ = __
__ - __ = __
__ - __ = __

Each of the following numbers will be used once to answer a question below. Cross the number out after you use it.

307	836	222	533	791	184
600	972	109	510	358	215

1. This number is between 700 and 800. _____
2. This number is the least. _____
3. This number has seven ONES. _____
4. This number has zero TENS and zero ONES. _____
5. This number is the most. _____
6. All of the digits in this number are EVEN. _____
7. This number is one ten MORE THAN five hundreds. _____
8. This number has eight HUNDREDS. _____
9. This number has the same number of tens and ones, but not hundreds.

   _____
10. This number has twice as many TENS as ONES. _____
11. This number has five TENS. _____
12. This number has five ONES. _____

Fill in the missing members of each fact family.
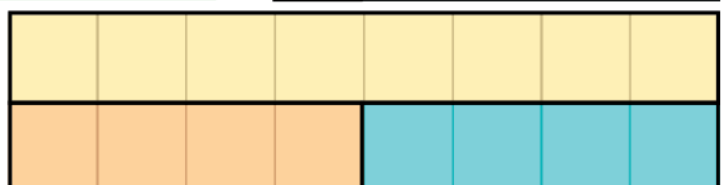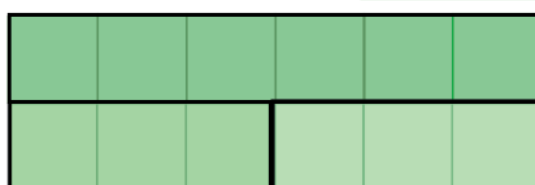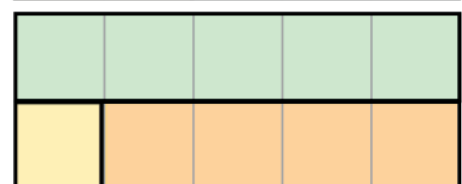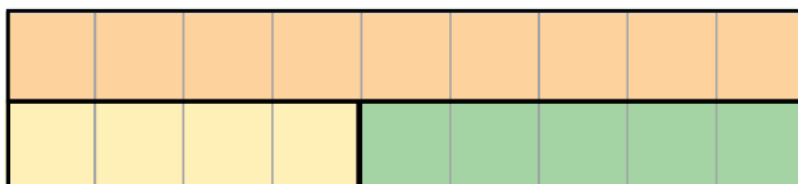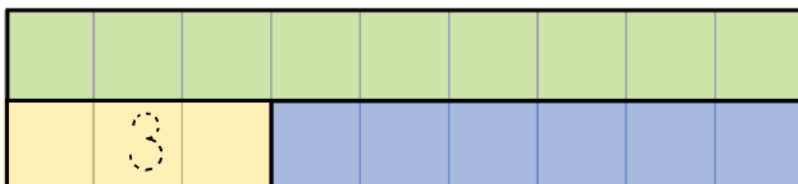
Date _____

Circle ALL of the sets of ten possible. Then circle TEN sets of tens to group them into hundreds and write that number in the "hundreds" box. Write any remaining tens in the "tens" box. Write any leftovers in the "Ones" box.

Hundreds	Tens	Ones
4	7	8

Hundreds	Tens	Ones

Hundreds	Tens	Ones

Hundreds	Tens	Ones

15

Draw lines to match the numbers with their word forms.

123	seven hundred seventy
699	three hundred twenty-one
515	five hundred eleven
282	nine hundred one
321	five hundred fifteen
770	two hundred thirty-one
511	one hundred thirty-two
132	six hundred ninety-nine
485	eight hundred seventy-six
901	two hundred thirteen
213	one hundred twenty-three
876	four hundred eighty-five
231	two hundred eighty-two

Fill in the missing numbers on each number line.

204 205 ☐ ☐ 208 ☐ 210 211 ☐ ☐ ☐ 215 216

189 190 191 ☐ ☐ ☐ 195 ☐ ☐ ☐ 199 ☐ 201

☐ 300 ☐ 302 303 ☐ 305 ☐ 307 ☐ 309 ☐ 311

☐ ☐ 497 498 ☐ ☐ ☐ 502 503 ☐ ☐ 506 ☐
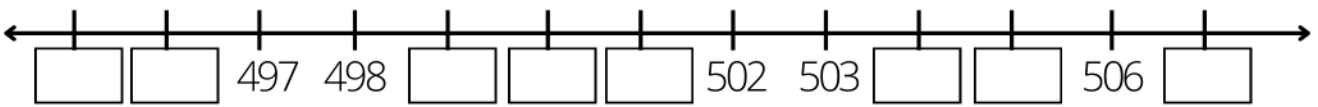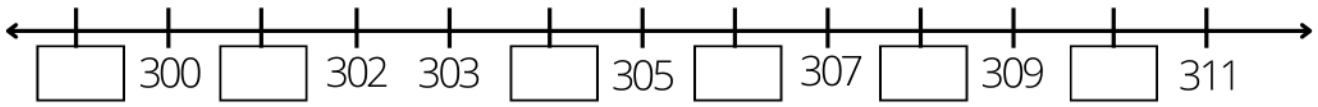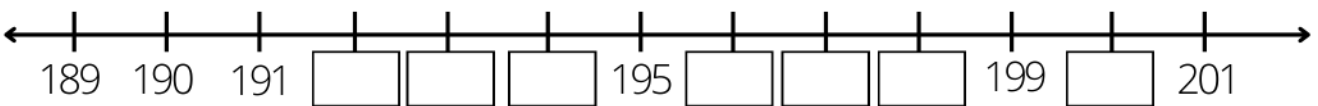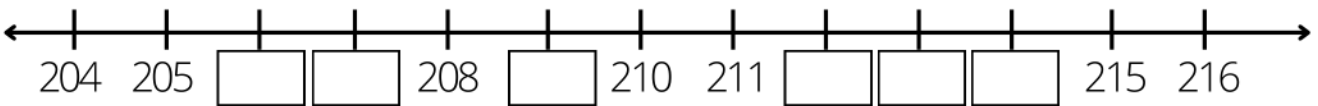
Circle ALL of the sets of ten possible, then group ten TENS into HUNDREDS. Group ten HUNDREDS into one THOUSAND. Write the number of THOUSANDS in the "thousands" box. Write any remaining hundreds in the "hundreds" box. Write any remaining tens in the "tens" box. Write any leftovers in the "Ones" box.

Thousands	Hundreds	Tens	Ones

Write each number using three digits to complete the chart below.

Six hundred twenty-three	623
Three hundred fifty-six	
Two hundred	
Four hundred seventy	
One hundred eighty-seven	
Eight hundred thirteen	
Nine hundred sixty-eight	
Two hundred fifty-two	
Seven hundred ninety-one	
Five hundred fifty-five	

Which number is the largest?

Which number is the smallest?

Which number has seven hundreds?

Which number has zero tens and zero ones?

What is Place Value?

Place Value is the concept that the **place** of a digit in a number determines its **value**. For example, the number 3 has a different value in each of the following numbers:

3 ones
3

3 hundreds
1,356

3 tens
37

One Thousand blocks

One Hundred blocks

Ten blocks

One block

Thousand　　**Hundred**　　**Ten**　　**One**
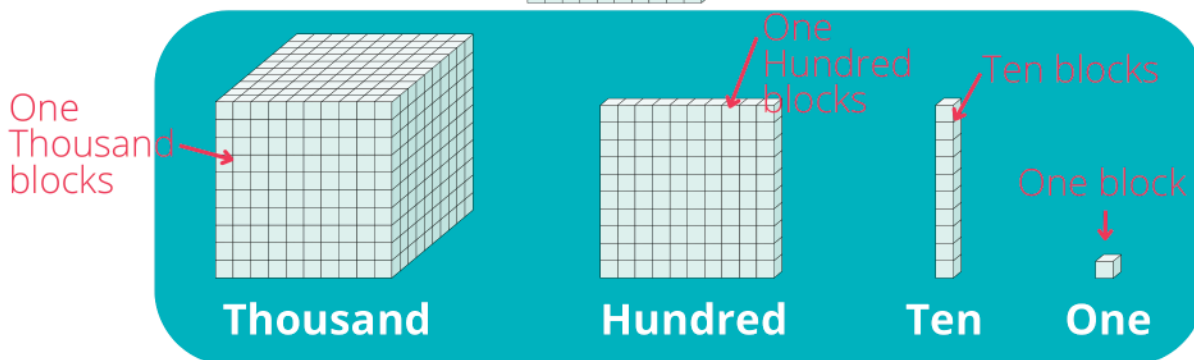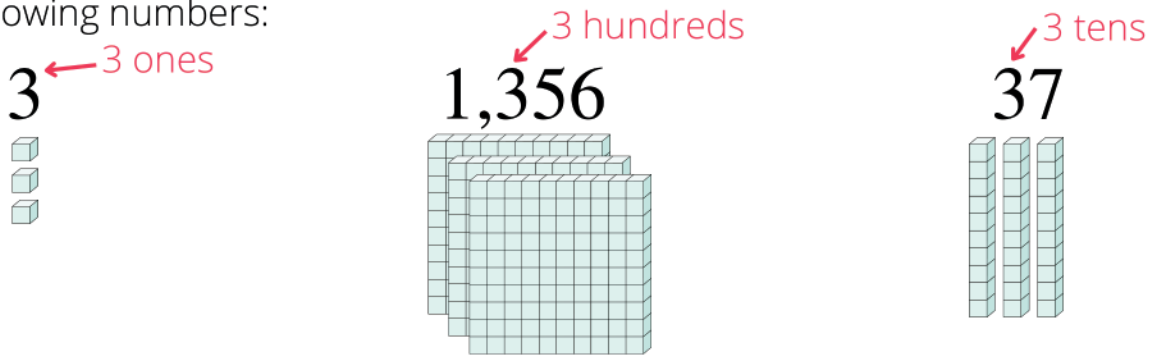
All about the number 2,154:

2	**1**	**5**	**4**
thousands	hundreds	tens	ones

Two thousand one hundred fifty-four

2000 + 100 + 50 + 4
thousands　hundreds　tens　ones

thousands　　hundreds　tens　ones
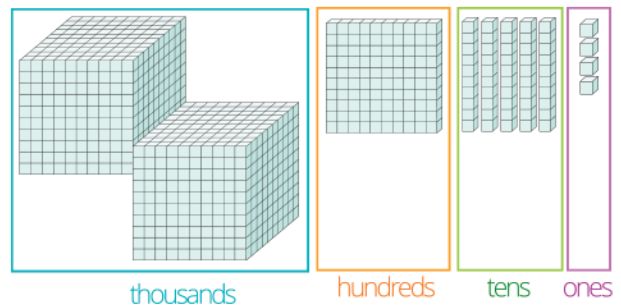
1. How many ones are in the number 2,154? _____

2. How many hundreds are in this number? _____

3. How many thousands are in this number? _____

4. How many tens are in this number? _____

5. Which number is in the hundreds place? _____

6. Which number is in the thousands place? _____

7. Which number is in the ones place? _____

Write the numbers 1, 2 and 10 more and less than each given number.

10 Less	2 Less	1 Less	Number	1 More	2 More	10 More
17	25	26	27	28	29	37
			39			
			54			
			48			

Complete these ten frames to show each number. Draw dots to represent ONES and X's to represent TENS.

tens
ones

25
tens ones

11
tens ones

31
tens ones

51
tens ones

21
tens ones

41
tens ones

42
tens ones

43
tens ones

44
tens ones

45
tens ones

46
tens ones

47
tens ones

57
tens ones

67
tens ones

87
tens ones

97
tens ones

98
tens ones

99
tens ones

19

Season _____

Complete these ten frames to show each number. Draw dots to represent
ONES and X's to represent TENS and HUNDREDS. Read each number aloud.
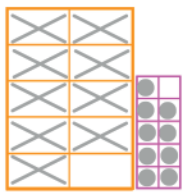
99
tens ones
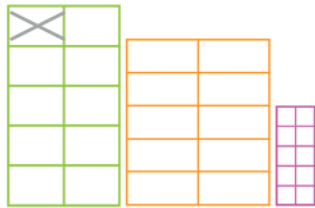
100
hundreds tens ones
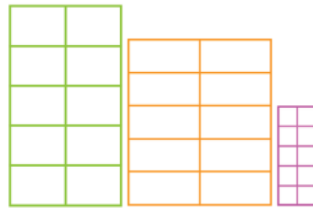
101
hundreds tens ones
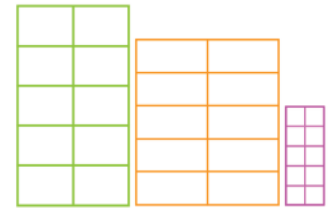
102
hundreds tens ones
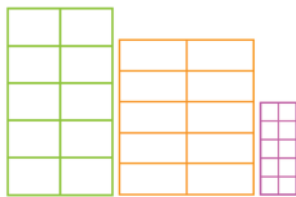
808
hundreds tens ones
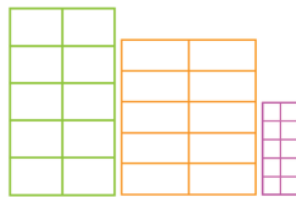
267
hundreds tens ones
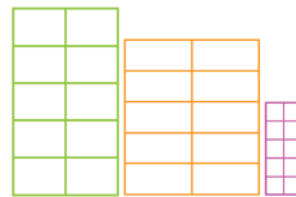
529
hundreds tens ones
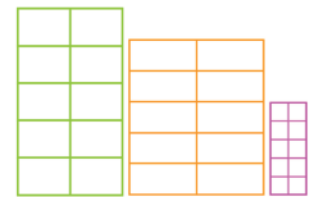
313
hundreds tens ones
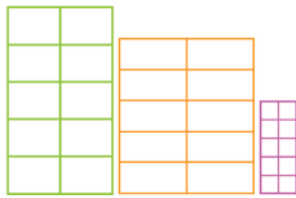
471
hundreds tens ones
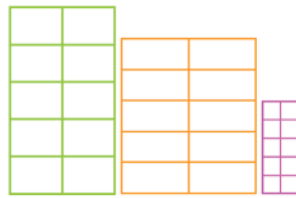
792
hundreds tens ones
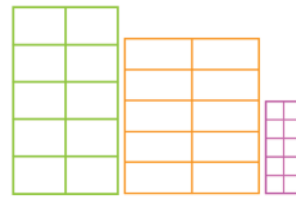
611
hundreds tens ones
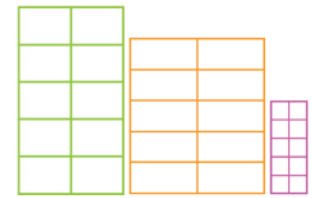
930
hundreds tens ones
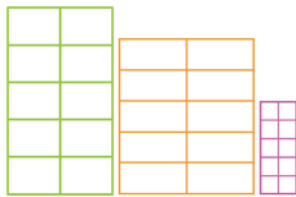
123
hundreds tens ones
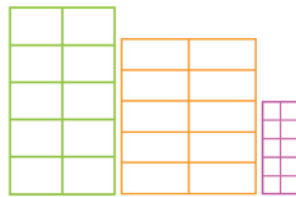
132
hundreds tens ones
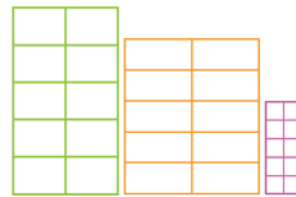
321
hundreds tens ones
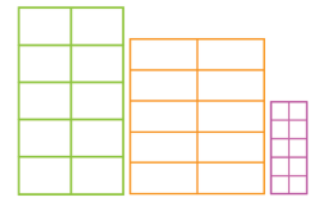
312
hundreds tens ones
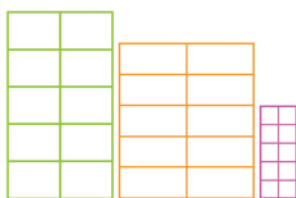
634
hundreds tens ones
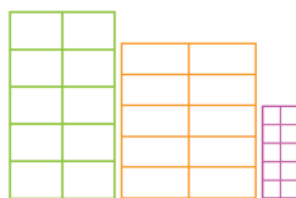
210
hundreds tens ones
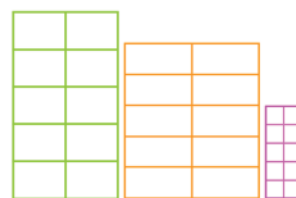
789
hundreds tens ones
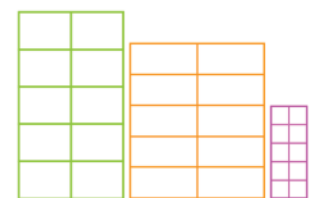
897
hundreds tens ones

Date _____

Complete the chart. Draw base ten blocks using a cube to represent each thousand, a large square to represent each hundred, a long, skinny rectangle to represent each ten and and a small square to represent each one.

Standard Form Word Form Expanded Form	Base Ten Blocks			
1,532 One thousand five hundred thirty-two 1000 + 500 + 30 + 2 Thousands Hundreds Tens Ones	 Thousands	 Hundreds	 Tens	 Ones
1,468 Thousands Hundreds Tens Ones	Thousands	Hundreds	Tens	Ones
2,135 Thousands Hundreds Tens Ones	Thousands	Hundreds	Tens	Ones
1,177 Thousands Hundreds Tens Ones	Thousands	Hundreds	Tens	Ones
3,389 Thousands Hundreds Tens Ones	Thousands	Hundreds	Tens	Ones
4,496 Thousands Hundreds Tens Ones	Thousands	Hundreds	Tens	Ones
1,378 Thousands Hundreds Tens Ones	Thousands	Hundreds	Tens	Ones
2,152 Thousands Hundreds Tens Ones	Thousands	Hundreds	Tens	Ones

What numbers do these base ten blocks represent?

hundreds	tens	ones

hundreds	tens	ones

thousands	hundreds	tens	ones

thousands	hundreds	tens	ones

hundreds	tens	ones

thousands	hundreds	tens	ones

What time does each clock say? Remember that the SHORT hand is the HOUR and the LONG hand is the MINUTES. The hour hand moves across it's HOME (the colored "slice") while the hour hand moves all the way around the clock. Write the times on the digital clocks below each analog clock.

Fill in the missing numbers on the number line below. Circle the number ten MORE THAN the number to which the arrow is pointing. Circle the number ten LESS THAN the number to which the arrow is pointing.

38 39 40   42   44   47 48   52 53 54   57   59

Use your reference calendar to answer the following questions:

Date _____

What will be the date tomorrow? _____

How many Sundays are in this month?_____

What is the date of the last Sunday of this month? _____

Label the fractions, then name them aloud. Remember, the DENOMINATOR (bottom) of a fraction tells you how many pieces the shape is divided into. The NUMERATOR (top) tells you how many pieces you HAVE.

$$\frac{1}{6} \qquad \frac{2}{6} \qquad \frac{3}{6}$$

$$\frac{}{6} \qquad \frac{}{6} \qquad \frac{}{}$$
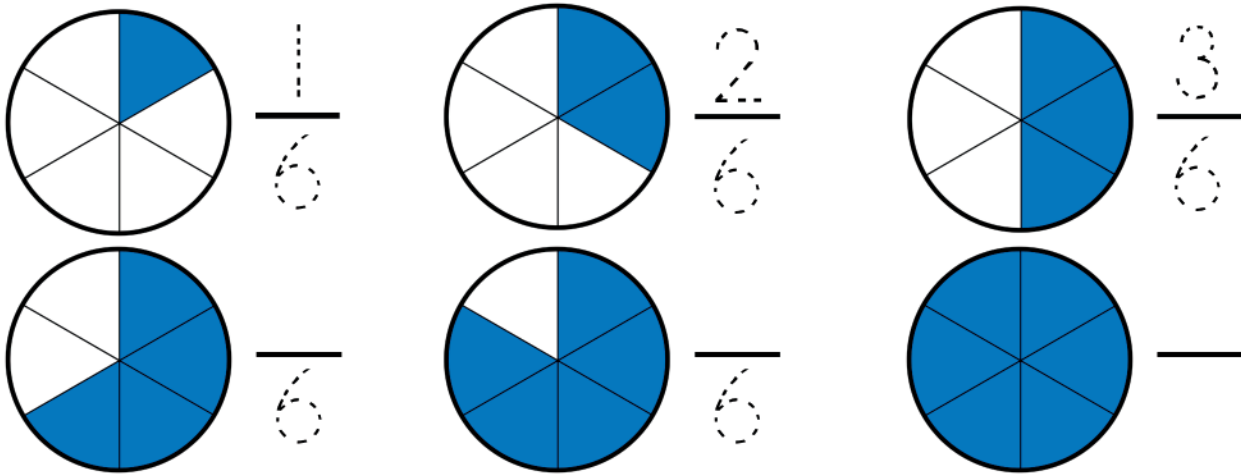
Draw hands on the clock below to show 3:06.

Draw hands on the clock below to show 1:58.

23
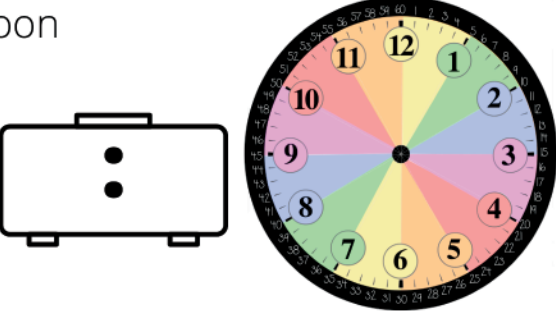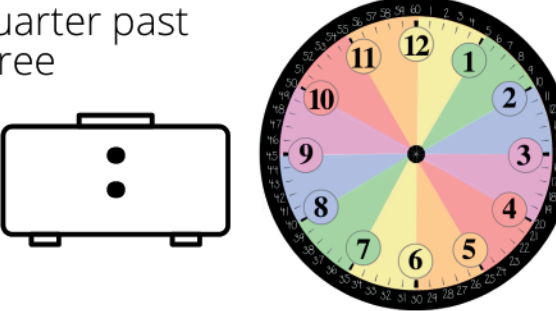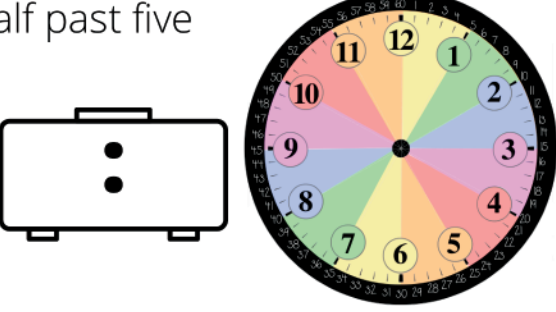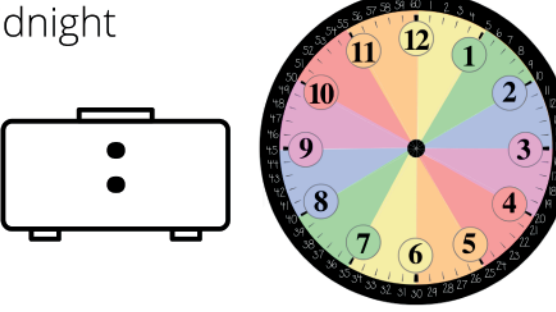
The clocks in the second column show the current time. Draw hands on the clocks in the other columns to show quarter before the current time, then quarter after and half past. Remember that the MINUTE hand moves around the entire circle while the HOUR hand just moves across it's HOME.

Quarter Before	**Current Time**	**Quarter After**	**Half Past**
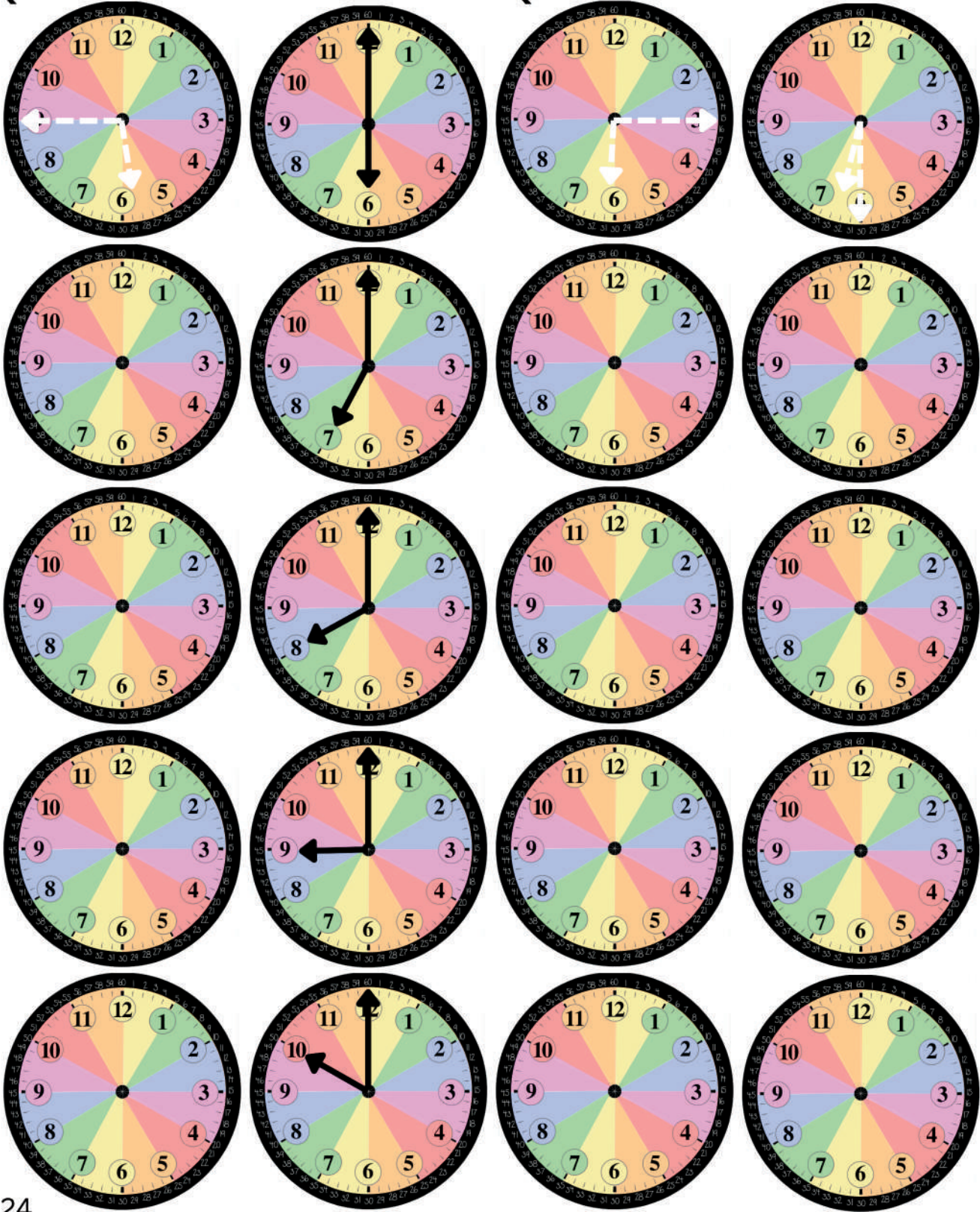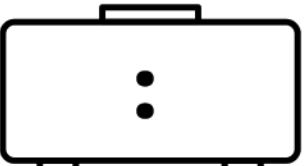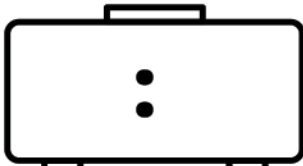
Let's practice time nicknames! Write the time on the digital clock and draw the clock hands to match.

Noon	Quarter past three

Half past five	Midnight

Fill in the missing numbers, then color the squares with EVEN numbers yellow.

101			104		106			109	
111				115		117			

What time is shown on these clocks? Write the time on the digital clock below.

3:53

Date _____

Fill in the missing addends to complete each number sentence.

$5 + \square = 10$ $3 + \square = 4$ $1 + \square = 9$

$\square + 3 = 5$ $\square + 0 = 5$ $\square + 7 = 9$

$2 + \square = 8$ $2 + \square = 4$ $4 + \square = 8$

$4 + \square = 9$ $4 + \square = 4$ $2 + \square = 7$

$\square + 4 = 7$ $\square + 5 = 6$ $\square + 2 = 10$

$3 + \square = 6$ $2 + \square = 6$ $6 + \square = 10$

$\square + 3 = 9$ $\square + 1 = 5$ $\square + 3 = 10$

Complete these Fact Families.

part + part = whole
whole - part = part

7 whole
3 part   part **4**

$3 + 4 = 7$
$4 + 3 = 7$
$7 - 4 = 3$
$7 - 3 = 4$

7 whole
5 part   part **2**

___ + ___ = ___
___ + ___ = ___
___ - ___ = ___
___ - ___ = ___

9 whole
4 part   part **5**

___ + ___ = ___
___ + ___ = ___
___ - ___ = ___
___ - ___ = ___

9 whole · **2** part · part **7**

___ + ___ = ___
___ + ___ = ___
___ - ___ = ___
___ - ___ = ___

9 whole · **6** part · part **3**

___ + ___ = ___
___ + ___ = ___
___ - ___ = ___
___ - ___ = ___

8 whole · **4** part · part **4**

___ + ___ = ___
___ + ___ = ___
___ - ___ = ___
___ - ___ = ___

Draw lines to match the numbers across all three columns.

twenty-eight	75	(300) + (50) + (9)
one hundred forty-three	143	(10) + (7)
five hundred twelve	17	(70) + (5)
seventy-five	512	(100) + (40) + (3)
nine hundred ninety-six	359	(900) + (90) + (6)
three hundred fifty-nine	996	(20) + (8)
seventeen	28	(200) + (70) + (8)
two hundred seventy-eight	278	(500) + (10) + (2)

Number each clock face, then draw the hands to show:

Quarter before ten

Ten o'clock

Quarter after ten
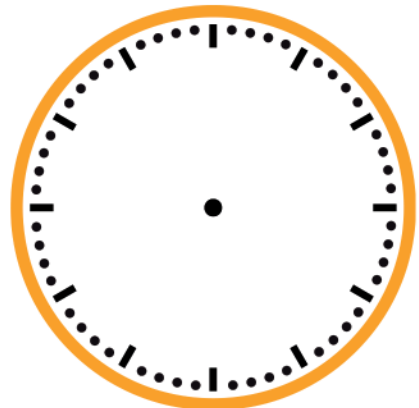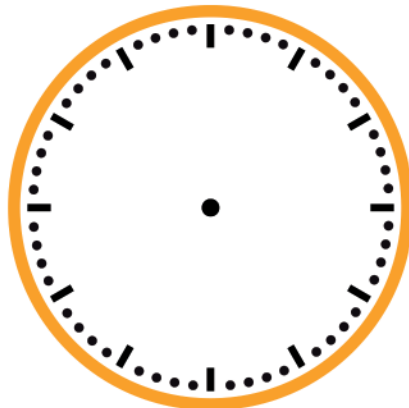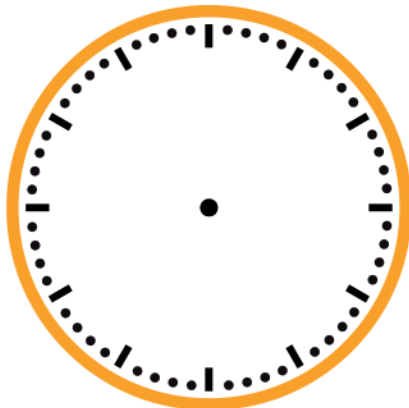
Date _____

What is the date tomorrow? _____

Find the sums.

21 + 33	20 + 72	24 + 63	51 + 14	21 + 45
15 + 23	31 + 44	53 + 30	61 + 32	41 + 30

Find the differences.

75 - 42	47 - 13	68 - 30	56 - 51	89 - 33
86 - 43	97 - 13	74 - 33	55 - 20	61 - 10

I can COUNT and write beyond 100!

	82	83						89	90
91				95			98		
101			104			107			110
	112				116				
		123		125					130
131			134	135			138	139	

28

Circle ALL of the sets of ten possible. Then circle TEN sets of tens to group them into hundreds and write that number in the "hundreds" box. Write any remaining tens in the "tens" box. Write any leftovers in the "Ones" box.

Tens	Ones

Tens	Ones

Hundreds	Tens	Ones

Hundreds	Tens	Ones

Hundreds	Tens	Ones

Date _____

Addition & Subtraction Algorithm:

1. Stack the numbers, making sure they are lined up by place value.
2. Add/sub the smallest place value. (***regroup if necessary***)
3. Add/sub the next smallest place value column. (***regroup if necessary***)
4. Continue adding columns from smallest place value to largest, regrouping where necessary.

$$\begin{array}{r} 29 \\ + 34 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ + 28 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ + 17 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ + 77 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ + 35 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ + 32 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ + 98 \\ \hline \end{array}$$

$$\begin{array}{r} 61 \\ + 79 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ + 33 \\ \hline \end{array}$$
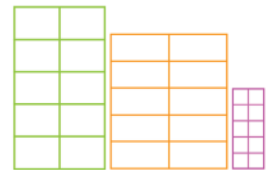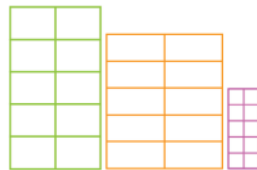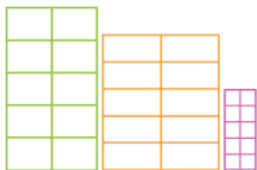
Fill in the boxes below based on the clue.

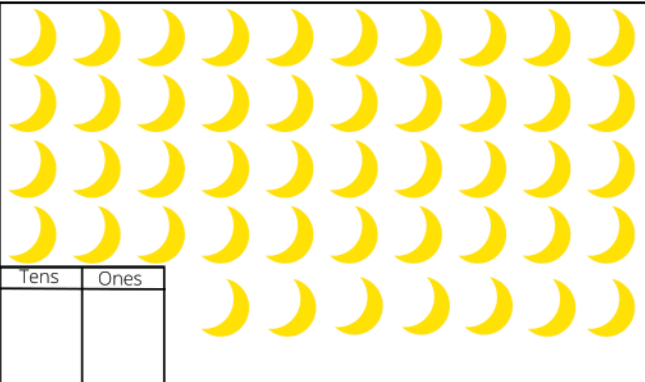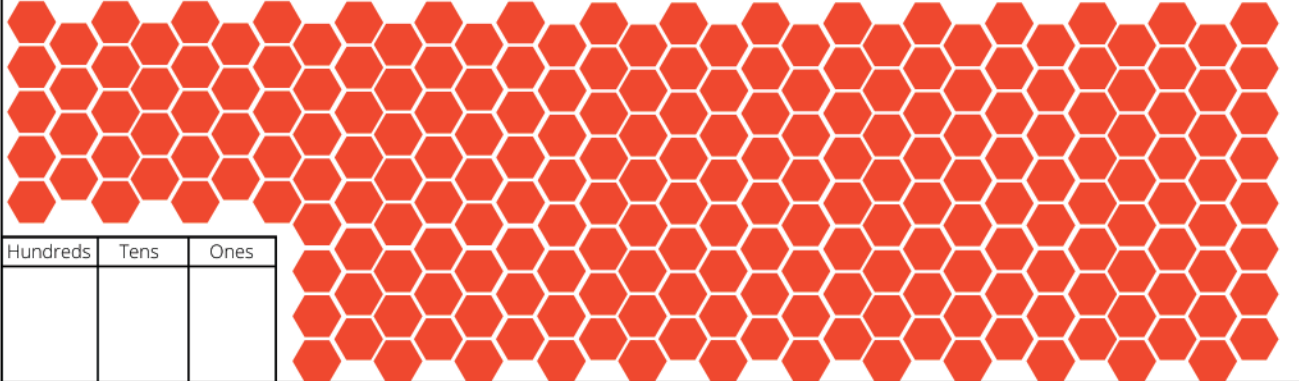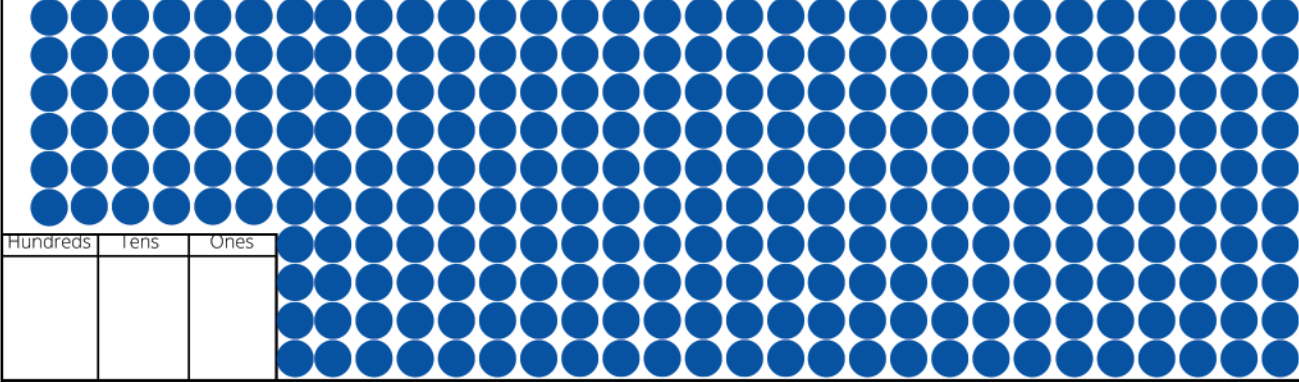|	ten less				ten less				ten less	
one less	**83**	one more		one less	**125**	one more	ten less	one less	**314**	one more
	ten more		ten less		ten more				ten more	
		one less	**254**	one more		one less	**118**	one more		
			ten more				ten more			
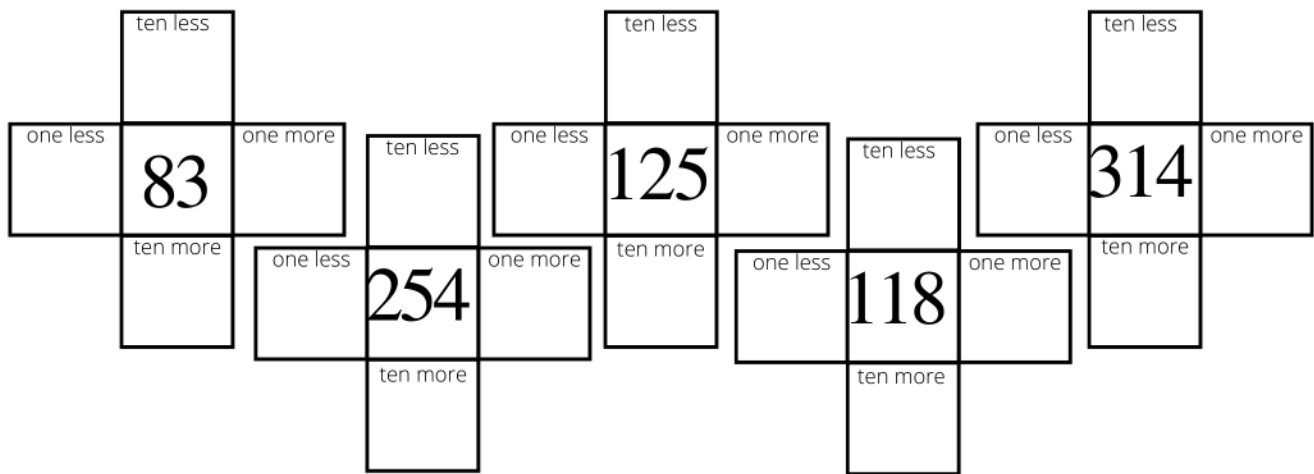
Use the base-ten manipulatives you made by bundling toothpicks to solve the following problems.

$$
\begin{array}{r} 31 \\ + 52 \\ \hline \end{array}
\qquad
\begin{array}{r} 68 \\ + 20 \\ \hline \end{array}
\qquad
\begin{array}{r} 63 \\ + 29 \\ \hline \end{array}
\qquad
\begin{array}{r} 74 \\ + 17 \\ \hline \end{array}
\qquad
\begin{array}{r} 85 \\ + 6 \\ \hline \end{array}
$$

$$
\begin{array}{r} 51 \\ + 19 \\ \hline \end{array}
\qquad
\begin{array}{r} 47 \\ + 30 \\ \hline \end{array}
\qquad
\begin{array}{r} 18 \\ + 71 \\ \hline \end{array}
\qquad
\begin{array}{r} 25 \\ + 59 \\ \hline \end{array}
\qquad
\begin{array}{r} 68 \\ + 31 \\ \hline \end{array}
$$

Draw lines to match the numbers across all three columns.

ten	519	(300) + (60) + (2)
two hundred twenty-three	100	(1)
five hundred nineteen	223	(100)
one hundred	10	(300) + (40) + (1)
three hundred sixty-two	341	(200) + (20) + (3)
three hundred forty-one	1	(10)
one	362	(500) + (10) + (9)

Date _____
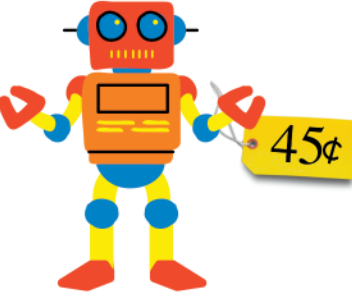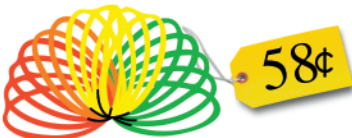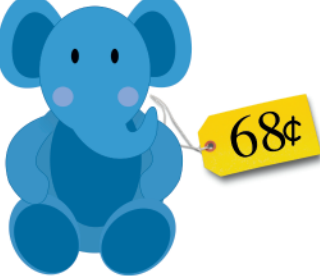
Add the items together to figure out the total cost, then draw the dimes and pennies you would use to pay for them.

54¢ 37¢ 37¢ +54¢	48¢ 43¢ 48¢ +43¢

Write ten less and ten more than each number.

____, 13, ____   ____, 11, ____   ____, 24, ____

____, 22, ____   ____, 20, ____   ____, 17, ____

____, 84, ____   ____, 50, ____   ____, 35, ____

____, 72, ____   ____, 76, ____   ____, 36, ____

____, 47, ____   ____, 15, ____   ____, 41, ____

____, 63, ____   ____, 25, ____   ____, 73, ____

32

Add the items together to figure out the total cost.

$$28¢ + 45¢$$

$$58¢ + 56¢$$

$$19¢ + 64¢$$

$$77¢ + 68¢$$

Fill in the missing numbers.

				100				

Use the base-ten manipulatives you made by bundling toothpicks to help you solve the following problems.

$$45 + 56$$ $$18 + 72$$ $$24 + 39$$ $$34 + 60$$ $$54 + 36$$

$$53 + 28$$ $$27 + 20$$ $$29 + 31$$ $$75 + 19$$ $$38 + 43$$

$$65 + 96$$

$$47 + 83$$

$$28 + 88$$

$$86 + 34$$

$$71 + 99$$

$$62 + 58$$

Fill in the missing numbers.

				102				

46
+87

hundreds	tens	ones

55
+68

hundreds	tens	ones

51
+59

hundreds	tens	ones

67
+47

hundreds	tens	ones

Use the base ten manipulatives you made by bundling toothpicks to help you solve the following problems.

53   81   61   30   75
+ 67   + 29   + 58   + 98   + 46

43   80   28   14   48
+ 69   + 37   + 92   + 89   + 51

Date _____

Look at the ONES column: More on TOP? Don't STOP.

Numbers the SAME? Zero is your game.

$$83 - 64$$

$$71 - 38$$

$$65 - 19$$
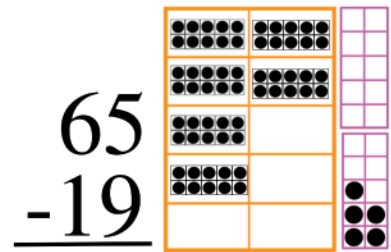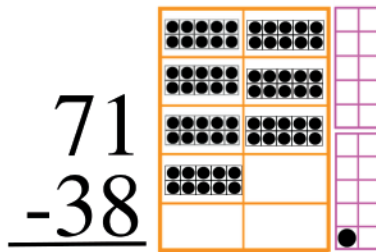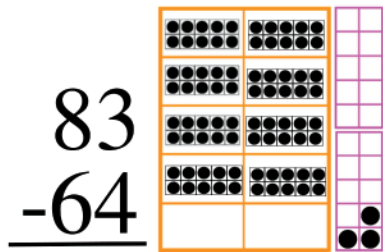
You have 100 cents and you want to buy TWO snacks for the movie. Find four different combinations of snacks you could buy. Remember to regroup.

| 55¢ | 45¢ | 36¢ | 37¢ | 29¢ | 35¢ |

popcorn _____   55 ¢

chips _____   + 36 ¢

91 ¢

_____   ¢

_____   + ¢

¢

_____   ¢

_____   + ¢

¢

_____   ¢

_____   + ¢

¢

36

Find the differences.

81
-33

53
-47

55
-28

61
-17

23
-19

77
-59

51
-26

40
-19

36
-27

41
-23

73
-55

64
-38

35
-22

41
-21

33
-11

64
-24

Fill in the missing numbers.

	192	193		195			198	199	200
201			204			207			210
	212				216				
		223		225			228		230

50-25=
60-34=
52-27=
51-28=
49-25=
50-24=
50-25=
55-29=
51-27=
54-28=
61-37=
45-30=
53-19=
30-15=
52-17=
34-19=
54-28=
50-26=
30-15=
50-26=
60-34=
60-33=
32-17=
52-28=
60-34=
51-27=
44-29=
56-30=
45-30=
53-27=
34-19=
44-29=
36-19=
49-25=
51-27=
49-25=
38-21=
30-15=
37-20=
34-17=
61-37=
35-18=
52-17=
53-19=
32-17=
44-29=

23	26
24	25
15	18
17	16
28	27

38

Find the difference.

tens	ones
6	1
− 3	9
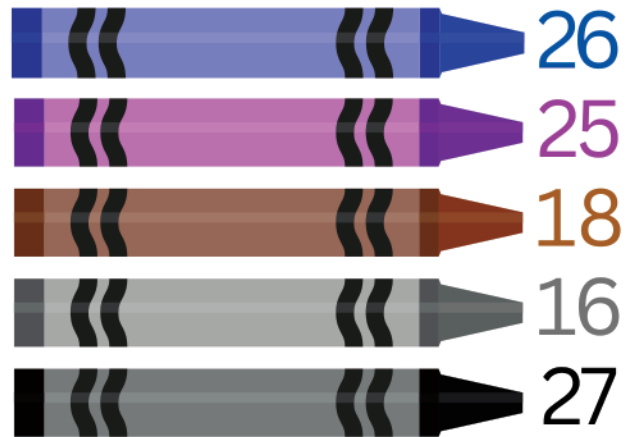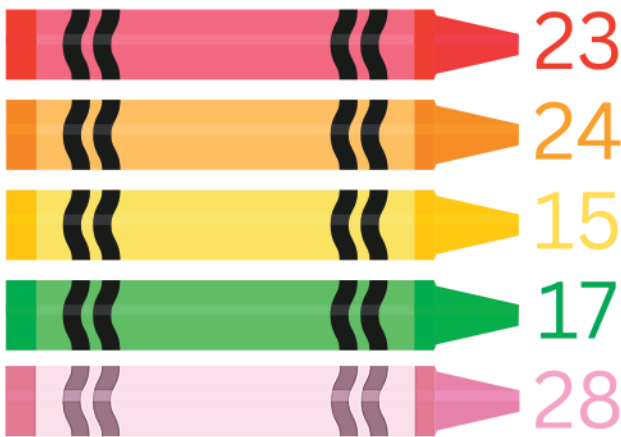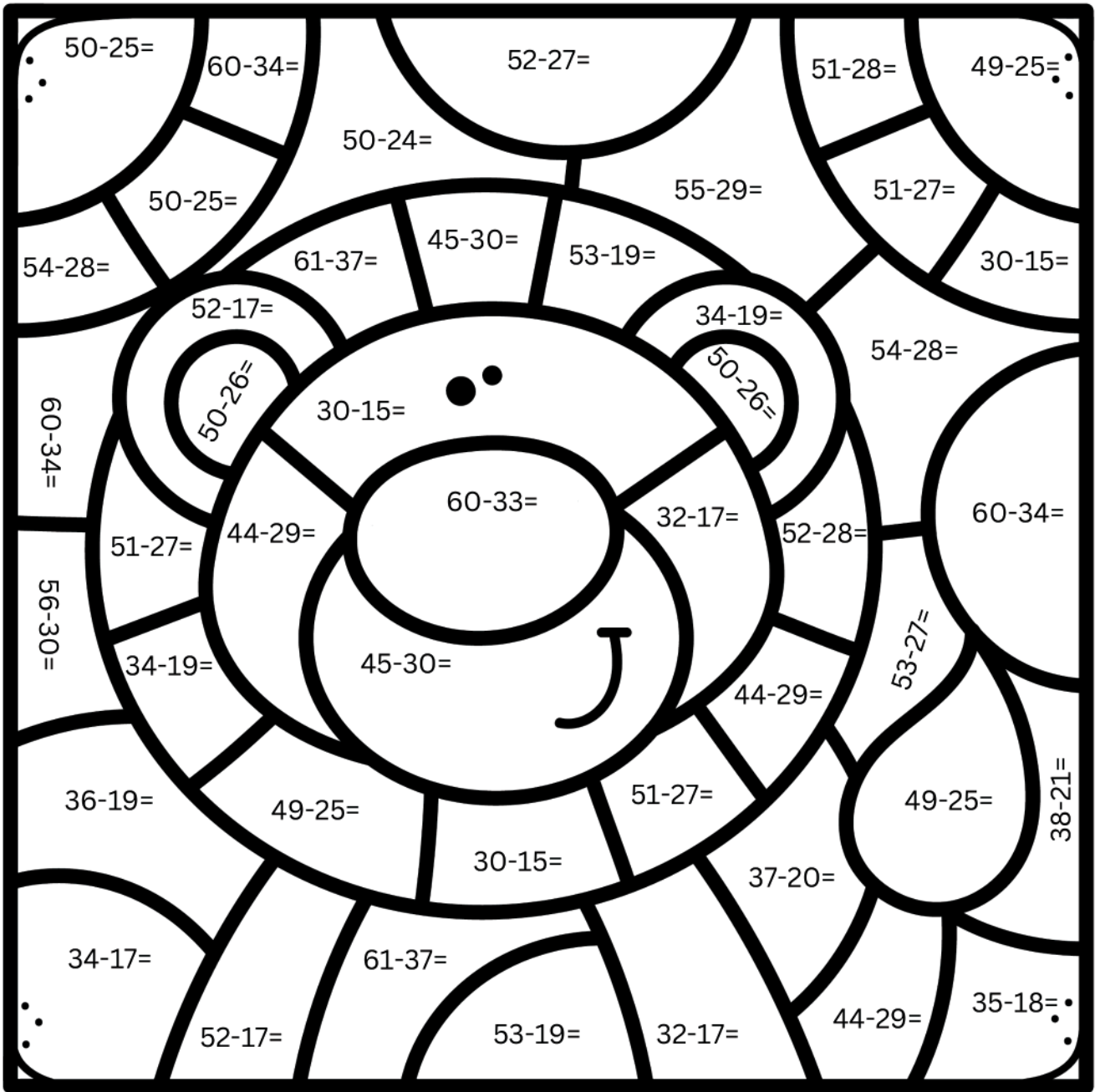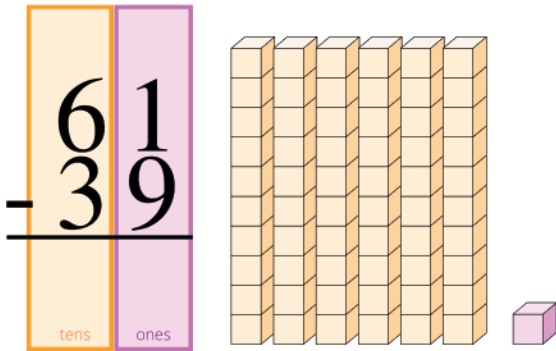
Step 1: If you have more on the floor, **trade** a TEN (cross it out) for ten ONES (draw them).

tens	ones
6	1
− 3	9

more on floor
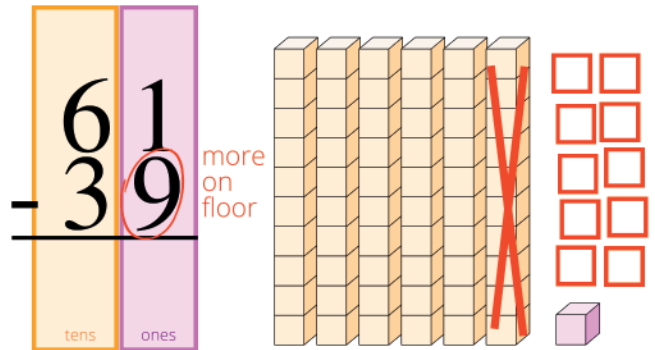
Step 2: Regroup your DIGITS to show that you moved a TEN to the ONES column.

tens	ones
5 6	11
− 3	9
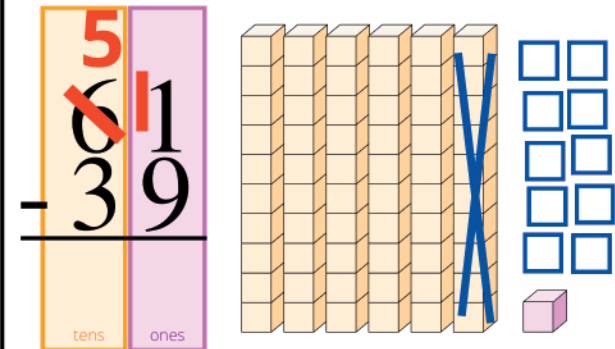
Step 3: Subtract the ones column then the tens column. Cross out blocks you subtract.

tens	ones
5 6	11
− 3	9
2	2
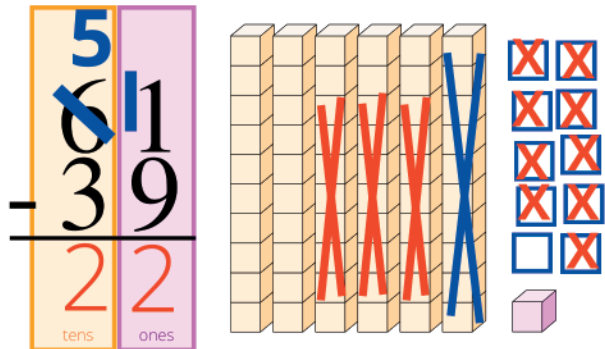
Follow the 3 steps above to find the differences below.

tens	ones
5	2
− 1	8

tens	ones
7	5
− 2	8

tens	ones
9	0
− 5	7

tens	ones
8	3
− 3	4
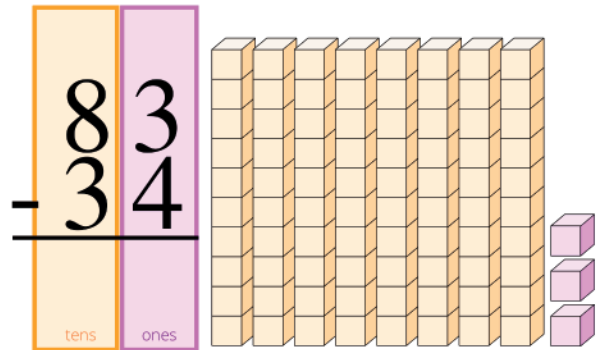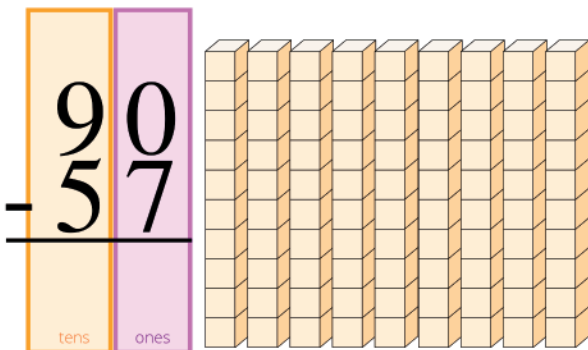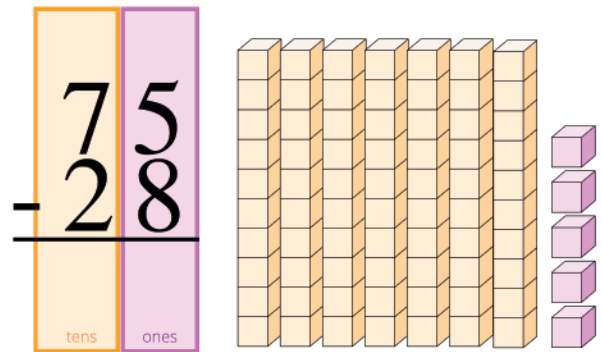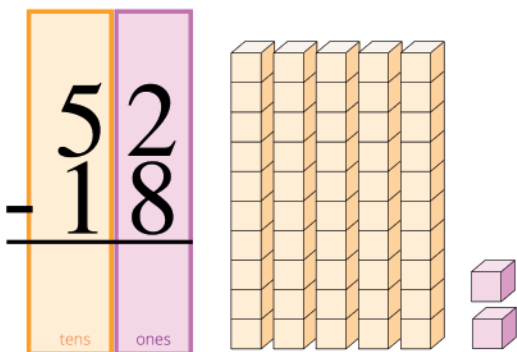
Draw your own base ten block chart to help you find the differences.

1. Draw a tens and ones chart
2. Draw the TOP number, using rectangles for tens and squares for ones
3. REGROUP *if needed!*
4. Cross out the ones you subtract
5. Cross out the tens you subtract

6
7 11
- 2 9

tens | ones

Finish this problem →

4 1
- 2 2

tens | ones

3 3
- 1 9

tens | ones

7 0
- 3 7

tens | ones

6 5
- 4 6

tens | ones

5 4
- 3 5

tens | ones

8 2
- 5 8

tens | ones

9 1
- 6 7

tens | ones

3 0
- 1 1

tens | ones

What do **whales** chew?

| 13 | 37 | 41 | 13 | 33 | 47 | 16 | | 71 | 41 | 19 |

G 83
- 12

M 50
- 31

B 48
- 35

E 75
- 28

L 61
- 24

R 33
- 17

U 96
- 55

B 59
- 26

40

Date _____

You earned 90¢. You want to buy a treat to share with your brother. How much money will you have left? You'll need to trade a dime (scribble out the dime) for ten pennies (draw them) first.

55¢

$$\begin{array}{r} 8 \\ \cancel{9}\cancel{0}¢ \\ -55¢ \\ \hline 35 \end{array}$$

traded for 10 pennies

68¢

$$\begin{array}{r} 90¢ \\ -68¢ \\ \hline \end{array}$$

41¢

$$\begin{array}{r} 90¢ \\ -41¢ \\ \hline \end{array}$$

77¢

$$\begin{array}{r} 90¢ \\ -77¢ \\ \hline \end{array}$$

Find the differences.

$$\begin{array}{r} 31 \\ -12 \\ \hline \end{array} \qquad \begin{array}{r} 25 \\ -22 \\ \hline \end{array} \qquad \begin{array}{r} 60 \\ -34 \\ \hline \end{array} \qquad \begin{array}{r} 82 \\ -35 \\ \hline \end{array} \qquad \begin{array}{r} 43 \\ -29 \\ \hline \end{array}$$
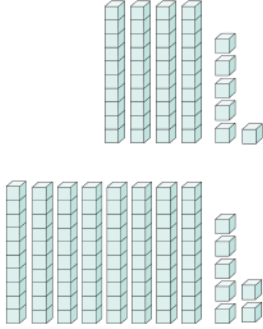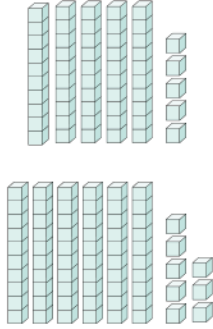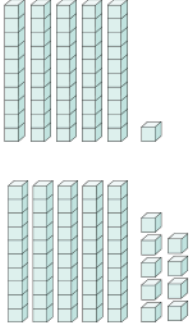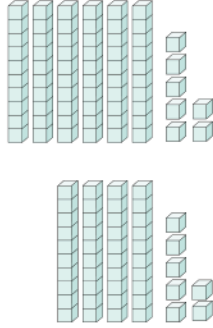
$$\begin{array}{r} 54 \\ -28 \\ \hline \end{array} \qquad \begin{array}{r} 71 \\ -57 \\ \hline \end{array} \qquad \begin{array}{r} 24 \\ -16 \\ \hline \end{array} \qquad \begin{array}{r} 98 \\ -72 \\ \hline \end{array} \qquad \begin{array}{r} 76 \\ -56 \\ \hline \end{array}$$

Draw lines to match the numbers across all three columns.

four hundred seventy-one	215	(200) + (10) + (5)
one hundred twenty-three	906	(90) + (8)
five hundred nine	355	(900) + (6)
ninety-eight	509	(400) + (70) + (1)
nine hundred six	123	(300) + (50) + (5)
two hundred fifteen	471	(500) + (9)
three hundred fifty-five	98	(100) + (20) + (3)

You earned 4 dimes and 4 pennies washing dishes. Then you swept and earned 3 dimes and 7 pennies. Draw the coins, then add them to find the total amount of money you earned.

```
   44
+  37
_____
```

What time is shown on these clocks? Write the time on the digital clock below.

Date _____

Find the sums.

$$161 + 129$$

hundreds tens ones

$$174 + 349$$

hundreds tens ones

Find the differences.

$$510 - 339$$

hundreds tens ones

$$351 - 165$$

hundreds tens ones

$$263 - 137$$

hundreds tens ones

$$564 - 198$$

hundreds tens ones

Find the sums.

$$313 + 198$$

hundreds tens ones

$$495 + 306$$

hundreds tens ones

$$218 + 193$$

hundreds tens ones

$$485 + 397$$

hundreds tens ones

43

Find the value of each row of coins and write the total in the box.

8 ¢
¢
¢
¢
¢

¢	¢

Color the parts to finish the pattern and fill in the missing numerators.

1 part	2 parts	3 parts	4 parts
$\dfrac{1}{8}$	$\dfrac{2}{8}$	$\dfrac{3}{8}$	$\dfrac{4}{8}$

5 parts	6 parts	7 parts	8 parts
$\dfrac{\ }{8}$	$\dfrac{\ }{8}$	$\dfrac{\ }{8}$	$\dfrac{\ }{8}$

Date _____

Day of the week _____

Each bag holds 10 jelly beans. Count by TEN to figure out how many TOTAL jelly beans you have.

10 + 10 + 10 + __ + __ + __ + __ + __ = ___

Each box holds 6 donuts. Count by SIX to figure how many donuts you have.

6 + 6 + __ + __ = ___

Each bag holds 20 candies. Count by TWENTY (similar to counting by twos) to figure out how many TOTAL candies you have.
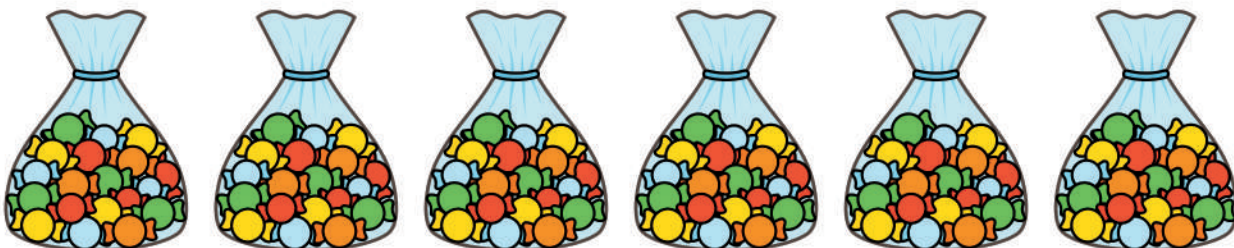
20 + 20 + 20 + __ + __ + __ = ___

Each bag holds 7 apples. Count by SEVEN to figure how many apples you have.

$7 + 7 + 7 + \_\_ + \_\_ + \_\_ = \_\_\_$

$7 \times 6 = \_\_$

Find the sums.

$$\begin{array}{r} 215 \\ +98 \\ \hline \end{array}$$

hundreds tens ones

$$\begin{array}{r} 299 \\ +101 \\ \hline \end{array}$$

hundreds tens ones

$$\begin{array}{r} 178 \\ +170 \\ \hline \end{array}$$

hundreds tens ones

$$\begin{array}{r} 194 \\ +323 \\ \hline \end{array}$$

hundreds tens ones

Label each piece of each circle with the correct fraction. Remember, the DENOMINATOR (the bottom of each fraction) is the NUMBER of pieces the shape is divided into and the top of each fraction will be one.

46
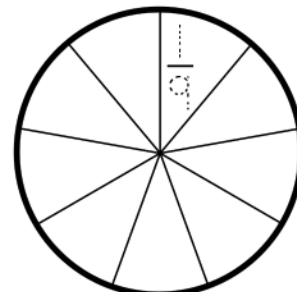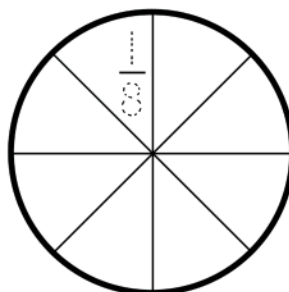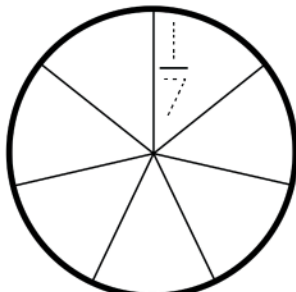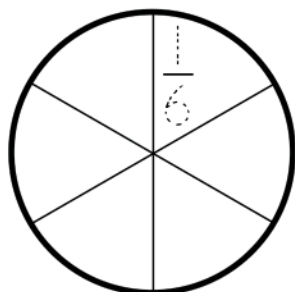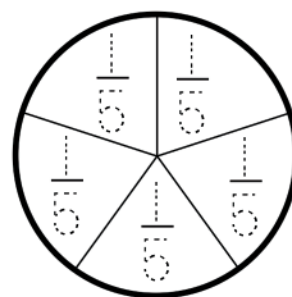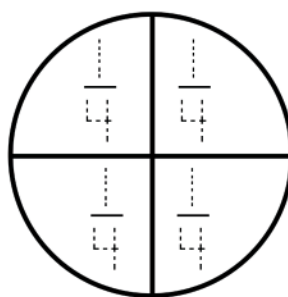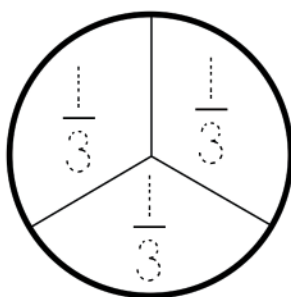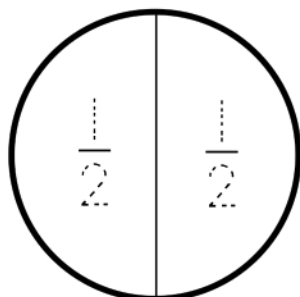
Date _____

Draw four strawberries in each basket. Then complete the number sentences below.

_4_ + _4_ + _4_ = ____

_4_ × _3_ = ____

Each watermelon slice has FIVE seeds. Complete the number sentences below.
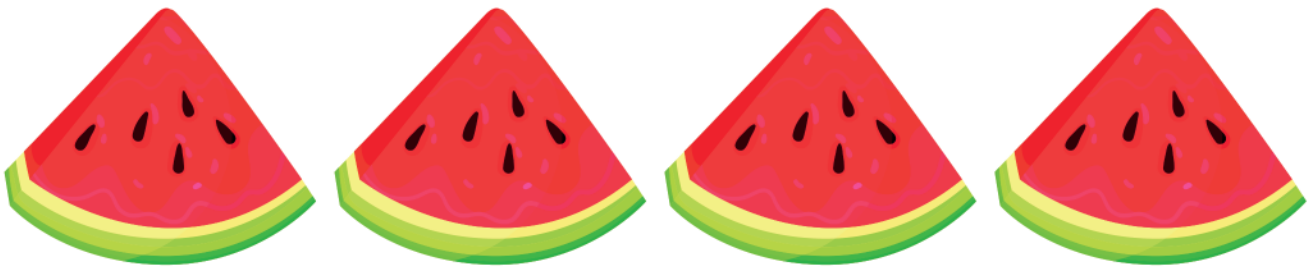
_5_ + _5_ + _5_ + _5_ = ____

_5_ × _4_ = ____

Draw 3 pairs of shoes. How many shoes is that? _____

Use base ten block charts to help you find the differences.
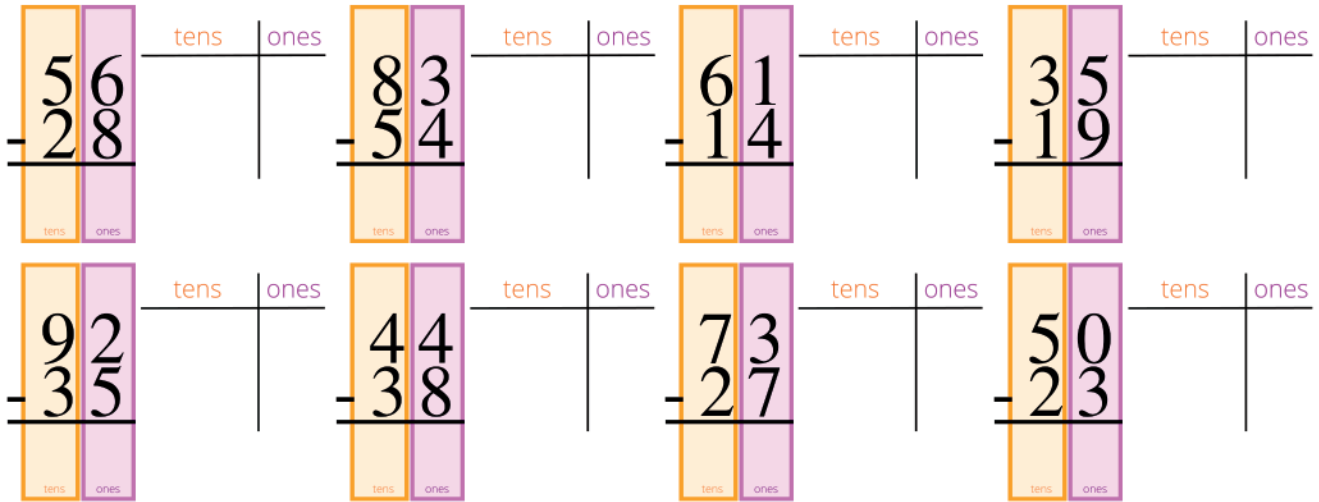
		tens	ones
5	6		
− 2	8		

		tens	ones
8	3		
− 5	4		

		tens	ones
6	1		
− 1	4		

		tens	ones
3	5		
− 1	9		

		tens	ones
9	2		
− 3	5		

		tens	ones
4	4		
− 3	8		

		tens	ones
7	3		
− 2	7		

		tens	ones
5	0		
− 2	3		

Label the fractions, then name them aloud. Remember, the DENOMINATOR (bottom) of a fraction tells you how many pieces the shape is divided into. The NUMERATOR (top) tells you how many pieces you HAVE (they're colored).

$\dfrac{5}{8}$
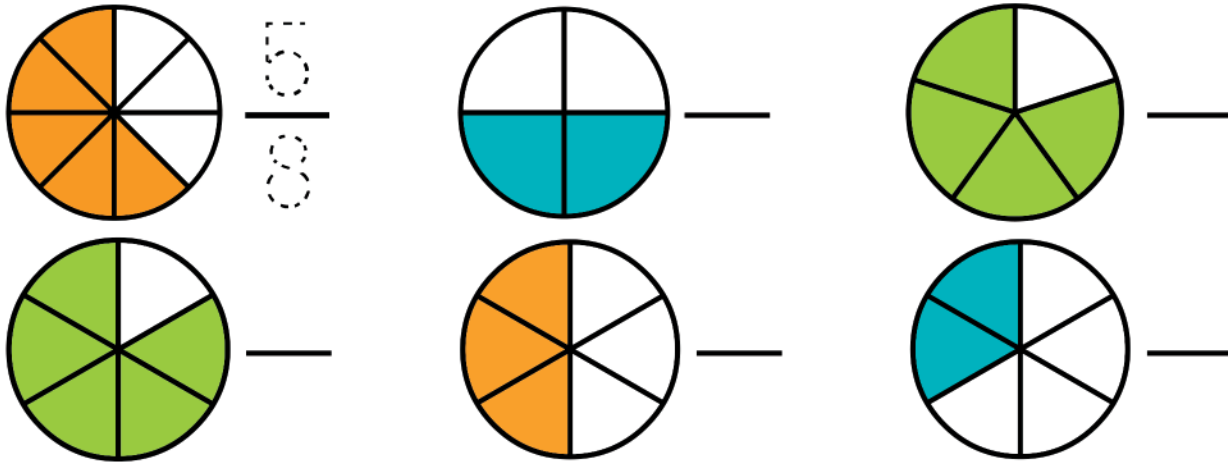
What time is shown on these clocks? Write the time on the digital clock below.
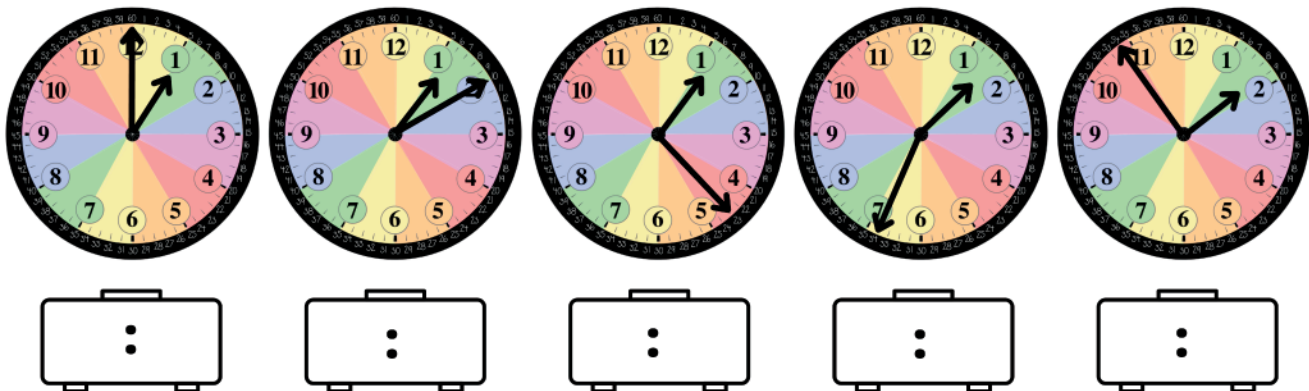
Date _____

It's baking day!
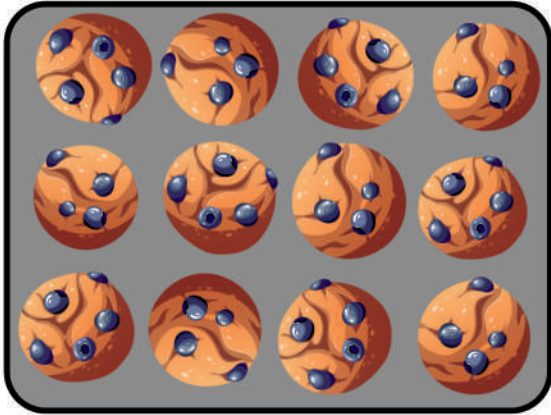
_____ rows with _____ muffins each

There are _____ muffins total.

_____ X _____ = _____

_____ pans with _____ cookies each

There are _____ cookies total.

_____ X _____ = _____

_____ vases with _____ tulips each
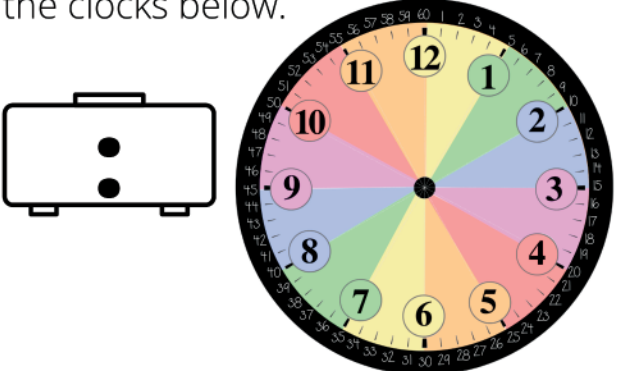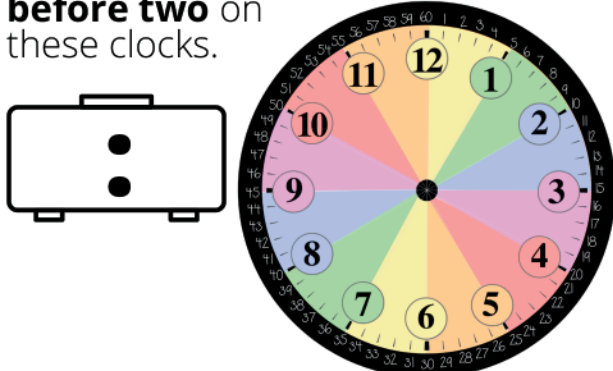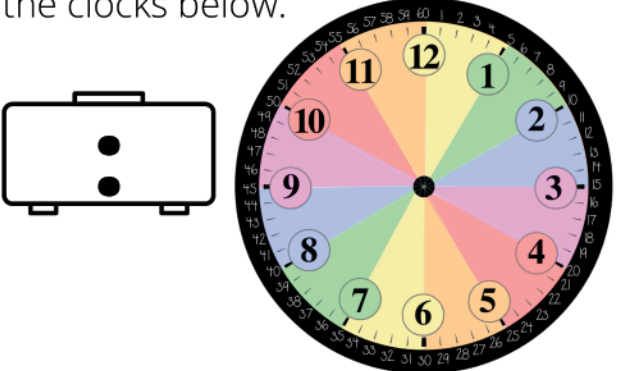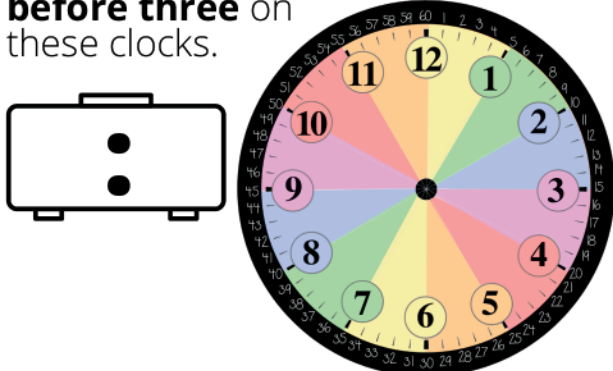
There are _____ tulips total.

_____ X _____ = _____

Fill in the missing numbers to count BEYOND 100.

						100			
	105								

Think of QUARTER BEFORE a time as moving the hands BACKWARD 15 minutes.

Show two o'clock on the clocks below.

Show **quarter before two** on these clocks.

Show three o'clock on the clocks below.

Show **quarter before three** on these clocks.

Trace all of the HORIZONTAL lines green. Trace all of the VERTICAL lines red. Trace all of the OBLIQUE lines blue.

MATH ROCKS

Divide the CIRCLE into two equal halves with a VERTICAL line. Label each half with a fraction and color the LEFT half red.

Date _____

Find the PRODUCT of each multiplication problem.

0 x 10 = _____   1 x 7 = _____   0 x 2 = _____

0 x 3 = _____   1 x 2 = _____   1 x 4 = _____

0 x 9 = _____   1 x 12 = _____   1 x 5 = _____

0 x 5 = _____   1 x 1 = _____   0 x 1 = _____

0 x 11 = _____   1 x 8 = _____   1 x 10 = _____

Find the sums.

```
      9 5          1 4 9          1 3 2          1 5 4
  +   8 7      +   1 0 3      +   1 7 8      +   1 5 3
  ─────────    ─────────      ─────────      ─────────
 hundreds tens ones   hundreds tens ones   hundreds tens ones   hundreds tens ones
```

___trees with ___ apples each

There are ____ apples total.

____ X ____ = _____

Match the shapes to their names.
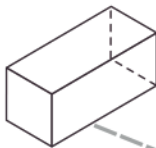
Sphere   Cone   Cuboid   Pyramid   Cube   Cylinder

Draw the total using base ten blocks, then write the SUM.

25 + 20 = 45

33 + 10 =

20 + 30 =

34 + 28 =

26 + 45 =

51 + 19 =

Regroup if necessary by trading a TEN for ten ONES, then cross out any subtracted base ten blocks, draw the new total, then write the DIFFERENCE.

32 - 23 = 9

43 - 23 =

56 - 17 =

54 - 38 =

47 - 19 =

30 - 11 =

41 - 24 =

35 - 18 =

52 - 28 =
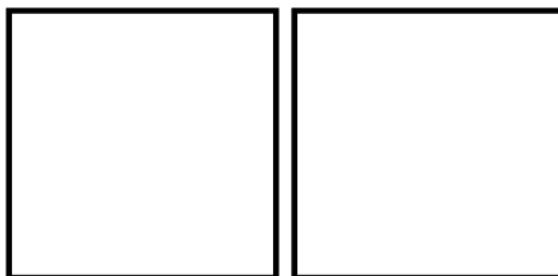
Divide each of these squares into four EQUAL pieces in different ways. Trace the horizontal lines red, vertical lines blue and oblique lines yellow. Label each piece $\frac{1}{4}$.

Date _____

You have four friends with ten fingers each. How many fingers are there?

___4___ X ___10___ = _____
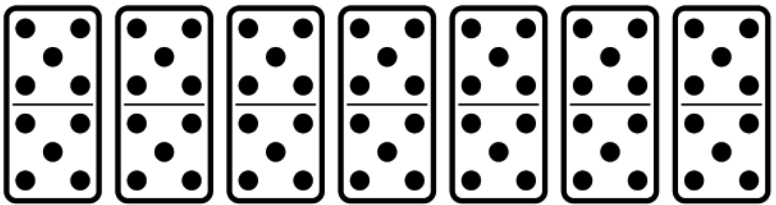
You have five cupcakes with ten candles each. How many candles do you have?

____ X ____ = _____

You have six dimes, which are ten cents each. How many cents do you have?

____ X ____ = _____

You have seven dominoes with ten dots each. How many dots do you have?

____ X ____ = _____

You have eight bouquets with ten flowers each. How many flowers do you have?

____ X ____ = _____

You have nine stacks with ten books each. How many books do you have?

____ X ____ = _____

Find the PRODUCT of each multiplication problem.

10 x 1 = _____	1 x 1 = _____	0 x 1 = _____
10 x 2 = _____	1 x 2 = _____	0 x 2 = _____
10 x 3 = _____	1 x 3 = _____	0 x 3 = _____
10 x 4 = _____	1 x 4 = _____	0 x 4 = _____
10 x 5 = _____	1 x 5 = _____	0 x 5 = _____
10 x 6 = _____	1 x 6 = _____	0 x 6 = _____
10 x 7 = _____	1 x 7 = _____	0 x 7 = _____
10 x 8 = _____	1 x 8 = _____	0 x 8 = _____
10 x 9 = _____	1 x 9 = _____	0 x 9 = _____
10 x 10 = _____	1 x 10 = _____	0 x 10 = _____
10 x 11 = _____	1 x 11 = _____	0 x 11 = _____
10 x 12 = _____	1 x 12 = _____	0 x 12 = _____

Use base ten block charts to help you find the differences.

43 − 26	51 − 34	70 − 45	62 − 26
87 − 37	34 − 18	65 − 37	50 − 33
92 − 75	59 − 38	74 − 25	81 − 49

Date _____

Day of the week _____

Date of the last Saturday of this month _____

How many weeks are there in a year? _____

How many hours are there in a day? _____

Find the PRODUCT of each multiplication problem.

5 x 1 = _____	1 x 3 = _____	10 x 2 = _____
5 x 2 = _____	0 x 4 = _____	10 x 7 = _____
5 x 3 = _____	1 x 11 = _____	10 x 4 = _____
5 x 4 = _____	0 x 8 = _____	10 x 1 = _____
5 x 5 = _____	0 x 6 = _____	10 x 10 = _____
5 x 6 = _____	1 x 2 = _____	10 x 12 = _____
5 x 7 = _____	1 x 7 = _____	10 x 8 = _____
5 x 8 = _____	0 x 1 = _____	10 x 3 = _____
5 x 9 = _____	1 x 12 = _____	10 x 9 = _____
5 x 10 = _____	0 x 5 = _____	10 x 6 = _____
5 x 11 = _____	0 x 7 = _____	10 x 5 = _____
5 x 12 = _____	1 x 7 = _____	10 x 11 = _____

Find the differences.

$$\begin{array}{r} 564 \\ -235 \\ \hline \end{array}$$

$$\begin{array}{r} 786 \\ -387 \\ \hline \end{array}$$

hundreds   tens   ones

hundreds   tens   ones

You have five stars, each with five points. How many points do you have?

___ X ___ = ___

___ + ___ + ___ + ___ + ___ = ___

You rolled seven dice and they all landed with five up. What's your total?

_5_ x _7_ = ___

_5_ + _5_ + _5_ + _5_ + _5_ + _5_ + _5_ = ___

Each flower has five petals. How many petals do you have?

___ X ___ = ___

___ + ___ + ___ + ___ + ___ + ___ + ___ + ___ = ___

Each nickel is worth five cents. How many cents do you have?

___ X ___ = ___

___ + ___ + ___ + ___ + ___ + ___ + ___ + ___ + ___ = ___

Each stem has five leaves. How many leaves do you have?

___ X ___ = ___

___ + ___ + ___ + ___ + ___ + ___ + ___ + ___ + ___ + ___ = ___

2 x 1 = _____	5 x 3 = _____	10 x 9 = _____
2 x 2 = _____	5 x 4 = _____	10 x 7 = _____
2 x 3 = _____	5 x 11 = _____	10 x 4 = _____
2 x 4 = _____	5 x 8 = _____	10 x 2 = _____
2 x 5 = _____	5 x 6 = _____	10 x 12 = _____
2 x 6 = _____	5 x 2 = _____	10 x 10 = _____
2 x 7 = _____	5 x 10 = _____	10 x 8 = _____
2 x 8 = _____	5 x 1 = _____	10 x 3 = _____
2 x 9 = _____	5 x 12 = _____	10 x 5 = _____
2 x 10 = _____	5 x 5 = _____	10 x 1 = _____
2 x 11 = _____	5 x 7 = _____	10 x 11 = _____
2 x 12 = _____	5 x 9 = _____	10 x 6 = _____

Each PAIR is two shoes. How many shoes do you have?

 ____ x ____ = _____

____ + ____ + ____ + ____ + ____ + ____ + ____ = ____

Each PAIR is two mittens. How many mittens do you have?

 ____ x ____ = ____

____ + ____ + ____ + ____ + ____ + ____ + ____ + ____ = ____

Fill in the missing numbers.

							100		

Let's make smoothies!
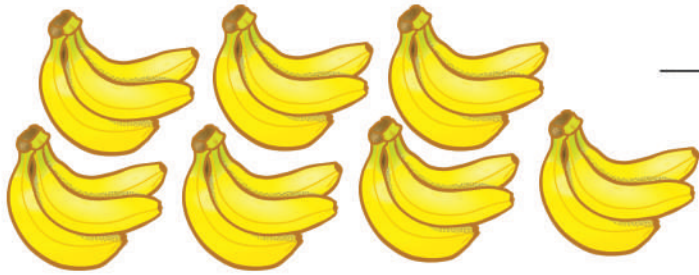
___ bunches with ___ bananas each

There are ____ bananas total.

____ X ____ = ____

___ bags with ___ oranges each

There are ____ oranges total.

____ X ____ = ____
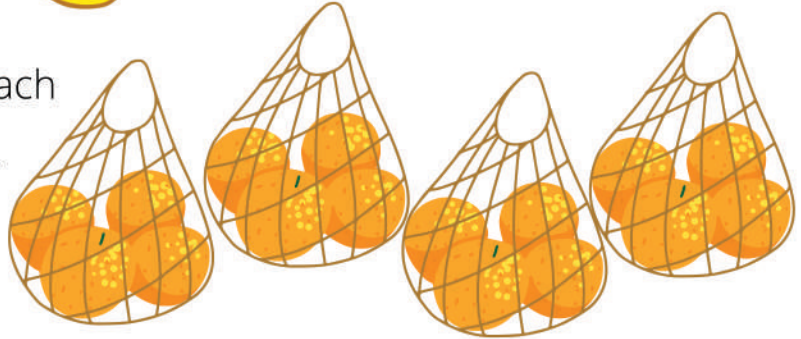
___ baskets with 5 strawberries each

There are ____ strawberries total.

____ X ____ = ____

___ bunches with 11 grapes each

There are ____ grapes total.

____ X ____ = ____
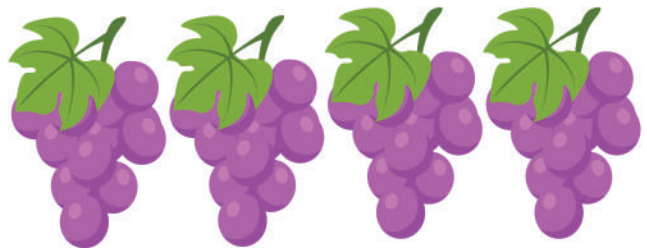
___ groups with ___ mangoes each

There are ____ mangoes total.

____ X ____ = ____

___ bags with 3 apples each

There are ____ apples total.

____ X ____ = ____

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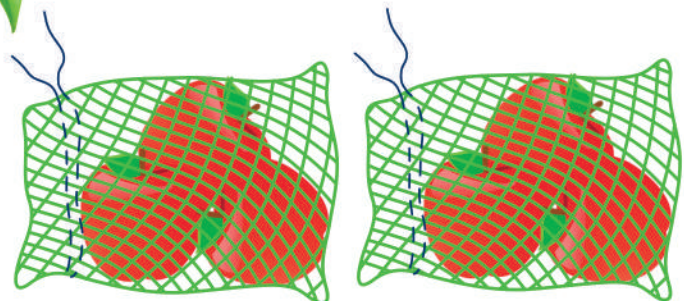
Date _____

What is the date tomorrow? _____

How many Sundays are there this month? _____

Commutative Property of Addition: numbers can be added in any order and the SUM will be the same.

Find the sums.

$1 + 3 =$ ___

$4 + 5 =$ ___

$2 + 4 =$ ___

$3 + 8 + 4 =$ ___

$5 + 6 + 2 =$ ___

$7 + 1 + 3 =$ ___

$2 + 4 + 3 =$ ___

$3 + 1 =$ ___

$5 + 4 =$ ___

$4 + 2 =$ ___

$8 + 4 + 3 =$ ___

$2 + 5 + 6 =$ ___

$7 + 3 + 1 =$ ___

$2 + 4 + 2 =$ ___

Fill in the blanks.

$6 +$ ___ $= 3 + 6$

$3 + 5 =$ ___ $+ 3$

$3 + 1 =$ ___ $+ 3$

___ $+ 2 = 2 + 8$

$5 + 4 = 4 +$ ___

$2 + 4 =$ ___ $+ 2$

___ $+ 3 = 3 + 2$

Find the sums. Notice that the SUM is the same, no matter what order the addends.

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Commutative Property of Multiplication: factors can be multiplied in any order and the PRODUCT will be the same.

Find the products. (use your times tables)

$1 \times 9 = \underline{\quad}$ $9 \times 1 = \underline{\quad}$

$7 \times 4 = \underline{\quad}$ $4 \times 7 = \underline{\quad}$

$4 \times 3 = \underline{\quad}$ $3 \times 4 = \underline{\quad}$

$3 \times 5 = \underline{\quad}$ $5 \times 3 = \underline{\quad}$

$6 \times 3 = \underline{\quad}$ $3 \times 6 = \underline{\quad}$

$5 \times 8 = \underline{\quad}$ $8 \times 5 = \underline{\quad}$
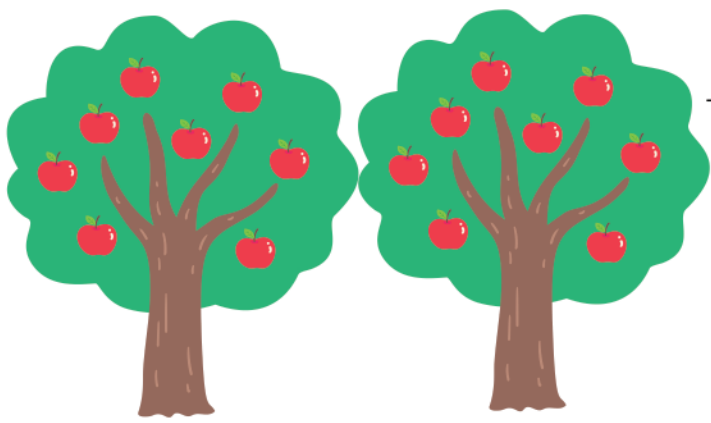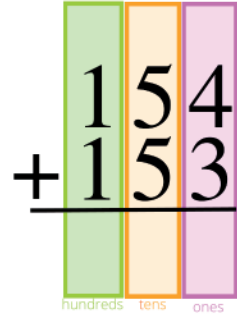
$9 \times 2 = \underline{\quad}$ $2 \times 9 = \underline{\quad}$

Fill in the blanks.

$5 \times 4 = 4 \times \underline{\quad}$

$6 \times \underline{\quad} = 3 \times 6$

$3 \times 5 = \underline{\quad} \times 3$
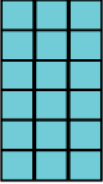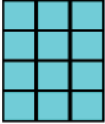
$\underline{\quad} \times 2 = 2 \times 8$
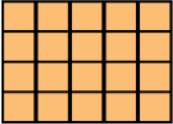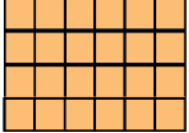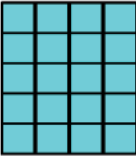
$3 \times 9 = \underline{\quad} \times 3$

$2 \times 4 = \underline{\quad} \times 2$

$\underline{\quad} \times 3 = 3 \times 2$

Draw lines to match the corresponding arrays and fill in the blanks.

$3 \times 1 = \underline{\quad}$

$2 \times 4 = \underline{\quad}$

$3 \times 6 = \underline{\quad}$

$1 \times 3 = \underline{\quad}$

$4 \times 2 = \underline{\quad}$

$6 \times 3 = \underline{\quad}$

$3 \times 4 = \underline{\quad}$

$3 \times 2 = \underline{\quad}$

$2 \times 3 = \underline{\quad}$

$4 \times 3 = \underline{\quad}$

$4 \times 1 = \underline{\quad}$

$5 \times 4 = \underline{\quad}$

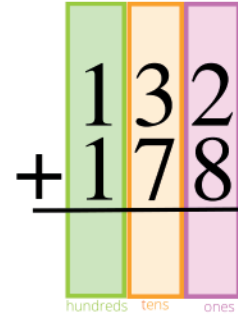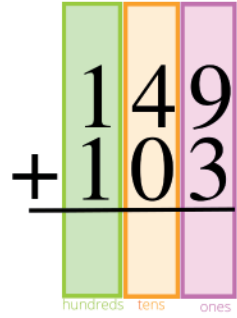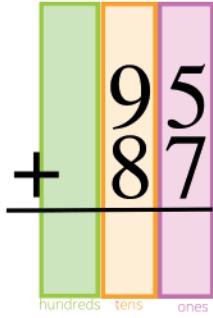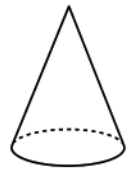$2 \times 5 = \underline{\quad}$

$1 \times 4 = \underline{\quad}$

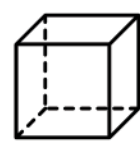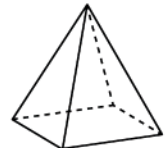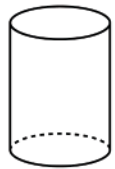$6 \times 4 = \underline{\quad}$

$6 \times 4 = \underline{\quad}$

$4 \times 5 = \underline{\quad}$

$1 \times 5 = \underline{\quad}$

$5 \times 1 = \underline{\quad}$

$5 \times 2 = \underline{\quad}$

Trace each ordinal number word.

1st   1st   first   first

2nd   2nd   second   second

3rd   3rd   third   third

4th   4th   fourth   fourth

5th   5th   fifth   fifth

6th   6th   sixth   sixth

7th   7th   seventh   seventh

8th   8th   eighth   eighth

9th   9th   ninth   ninth

10th   10th   tenth   tenth

11th   11th   eleventh   eleventh

12th   12th   twelfth   twelfth

Fill in the missing numbers to count BEYOND 100.

		100						

Trace the ordinal number words, then draw lines to match all of the columns.

twelfth	11th
third	2nd
second	10th
fourth	8th
sixth	12th
eleventh	5th
tenth	6th
first	4th
eighth	7th
fifth	9th
seventh	3rd
ninth	1st

Use base ten block charts to help you find the differences.

	tens	ones
5 4 - 3 6		

	tens	ones
3 1 - 1 5		

	tens	ones
4 0 - 2 1		

	tens	ones
7 2 - 4 3		

	tens	ones
8 3 - 4 3		

	tens	ones
3 5 - 1 6		

	tens	ones
5 5 - 2 7		

	tens	ones
6 0 - 3 3		

	tens	ones
5 2 - 1 7		

	tens	ones
4 6 - 1 8		

	tens	ones
7 4 - 5 2		

	tens	ones
9 1 - 3 9		

Date _____

What is the day of the week? _____

What is the date of the last day of this month? _____

	3 x 1 = 03	3 x 2 = 06	3 x 3 = 09
0's			-1
1's	3 x 4 = 12	3 x 5 = 15	3 x 6 = 18
2's	3 x 7 = 21	3 x 8 = 24	3 x 9 = 27
3's	3 x 10 = 30	3 x 11 = 33	3 x 12 = 36

Find the products.

1. Write the ONES digit in each square, starting with 3, 6, 9 in the top 3 squares, then decrementing each column in each successive row.

2. Write the TENS digit in each square. The TOP row gets zeroes. The second row gets ones. The 3rd row gets twos. The 4th row gets threes.

Find the products.

3 x 1 = ___	2 x 1 = ___	5 x 1 = ___
3 x 2 = ___	2 x 2 = ___	5 x 2 = ___
3 x 3 = ___	2 x 3 = ___	5 x 3 = ___
3 x 4 = ___	2 x 4 = ___	5 x 4 = ___
3 x 5 = ___	2 x 5 = ___	5 x 5 = ___
3 x 6 = ___	2 x 6 = ___	5 x 6 = ___
3 x 7 = ___	2 x 7 = ___	5 x 7 = ___
3 x 8 = ___	2 x 8 = ___	5 x 8 = ___
3 x 9 = ___	2 x 9 = ___	5 x 9 = ___
3 x 10 = ___	2 x 10 = ___	5 x 10 = ___
3 x 11 = ___	2 x 11 = ___	5 x 11 = ___
3 x 12 = ___	2 x 12 = ___	5 x 12 = ___

Product Puzzlers. Fill in each square with factors such that the product of each set of factors, horizontally and vertically, are correct.

3	5	15
9	4	36
27	20	

3		9
		2
6	3	

3		12
		12
18	8	

3		21
		15
15	21	

3		18
		16
24	12	

3		24
		45
27	40	
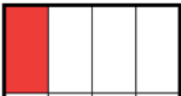
All shapes with FOUR sides are quadrilaterals. Quadrilaterals have more specific names, too, depending on their properties. Check you reference pages from level one if you need to refresh your memory.

Draw lines to match each quadrilateral to it's most specific name.
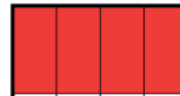
parallelogram   square   rhombus   rectangle   trapezoid

Label the fractions, then name them aloud. Remember, the DENOMINATOR (bottom) of a fraction tells you how many pieces the shape is divided into. The NUMERATOR (top) tells you how many pieces you HAVE.

$\frac{1}{8}$ $\frac{2}{8}$

Date _____

Find the products.

9 x 1 = ___

9 x 2 = ___

9 x 3 = ___

9 x 4 = ___

9 x 5 = ___

9 x 6 = ___

9 x 7 = ___

9 x 8 = ___

9 x 9 = ___

9 x 10= ___

9 x 1 = 0__

9 x 2 = 1__

9 x 3 = 2__

9 x 4 = 3__

9 x 5 = ___

9 x 6 = ___

9 x 7 = __3

9 x 8 = __2

9 x 9 = __1
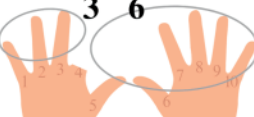
9 x 10 = 90

Find the products.

1. Write the TENS digit on each line from the top to the bottom, 0-9.
2. Write the ONES digit on each line, after the TENS digit, from the bottom to the top, 0-9.
3. What is the SUM when you add both digits of the product of each problem to the left? _____
4. Did you notice that the digits of the NINES reverse order after 9 x 5?

Why do we LOVE the nines times tables?

65

Find the products.

9 x 1 = ____   3 x 1 = ___   2 x 1 = ___
9 x 2 = ____   3 x 2 = ___   2 x 2 = ___
9 x 3 = ____   3 x 3 = ___   2 x 3 = ___
9 x 4 = ____   3 x 4 = ___   2 x 4 = ___
9 x 5 = ____   3 x 5 = ___   2 x 5 = ___
9 x 6 = ____   3 x 6 = ___   2 x 6 = ___
9 x 7 = ____   3 x 7 = ___   2 x 7 = ___
9 x 8 = ____   3 x 8 = ___   2 x 8 = ___
9 x 9 = ____   3 x 9 = ___   2 x 9 = ___
9 x 10 = ____   3 x 10 = ___   2 x 10 = ___
9 x 11 = ____   3 x 11 = ___   2 x 11 = ___
9 x 12 = ____   3 x 12 = ___   2 x 12 = ___

Use base ten block charts to help you find the differences.

Fill in the blanks with the missing addends.

$$33 + \text{\_\_\_} = 38$$ $$21 + \text{\_\_\_} = 41$$

Find the products.

4 x 1 = ___	9 x 1 = ___	3 x 1 = ___
4 x 2 = ___	9 x 2 = ___	3 x 2 = ___
4 x 3 = ___	9 x 3 = ___	3 x 3 = ___
4 x 4 = ___	9 x 4 = ___	3 x 4 = ___
4 x 5 = ___	9 x 5 = ___	3 x 5 = ___
4 x 6 = ___	9 x 6 = ___	3 x 6 = ___
4 x 7 = ___	9 x 7 = ___	3 x 7 = ___
4 x 8 = ___	9 x 8 = ___	3 x 8 = ___
4 x 9 = ___	9 x 9 = ___	3 x 9 = ___
4 x 10 = ___	9 x 10 = ___	3 x 10 = ___
4 x 11 = ___	9 x 11 = ___	3 x 11 = ___
4 x 12 = ___	9 x 12 = ___	3 x 12 = ___

Sort out the jumbled up Greek prefixes then write the number of sides of a polygon each represents.

oatc_____ octa _____ eight _____

hatpe_____

attre_____

nnoa_____

eadc_____

eanpt_____

eaxh_____

Draw lines to match the polygons across all three columns.

8 sides		Decagon
6 sides		Quadrilateral
10 sides		Octagon
3 sides		Triangle
5 sides		Nonagon
9 sides		Pentagon
7 sides		Heptagon
4 sides		Hexagon

Number each clock face, then draw the hands to show:
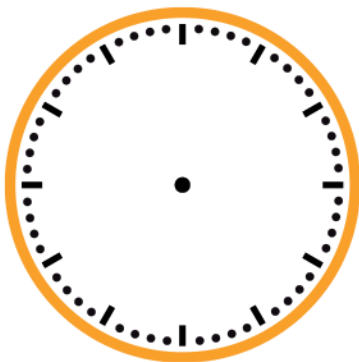
Five o'clock	Quarter after five	Half past five
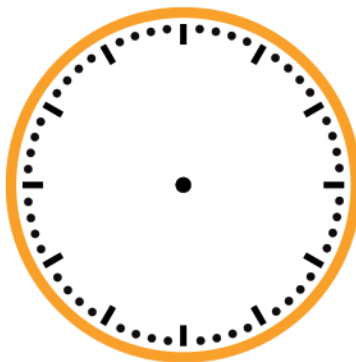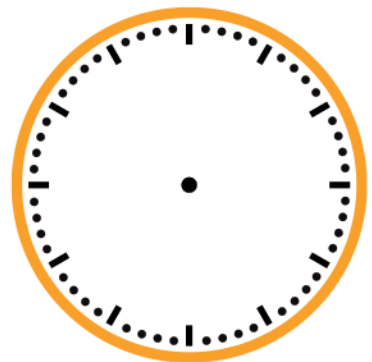
Color the coins needed to buy the teddy bear.

96¢

68

Date _____

Find the SUMS and DIFFERENCES by adding or subtracting mentally.

23 ⊕ 10 = ____   77 - 10 = ____

35 ⊖ 1 = ____   445 - 100 = ____

401 + 10 = ____   127 - 10 = ____

134 + 100 = ____   241 + 100 = ____

51 - 10 = ____   58 - 10 = ____

19 + 1 = ____   316 + 10 = ____

212 - 10 = ____   255 - 100 = ____

173 + 100 = ____   255 + 100 = ____

Fill in each square with factors such that the product of each set of factors, horizontally and vertically, are correct.

9	2	18
		15
27	10	

9		54
		20
45	24	

9		72
		8
36	16	

9		36
		27
81	12	

9		27
		12
18	18	

9		45
		7
63	5	

9		63
		18
54	21	

9		81
		40
72	45	

9		36
		10
45	8	

Color the coins needed to buy the toy top.

Find the products. What is the significance of the colored problems?

9 x 5 = ____   3 x 7 = ___   4 x 2 = __
9 x 12 = ___   3 x 11 = __   4 x 6 = __
9 x 6 = ____   3 x 8 = __   4 x 4 = __
9 x 3 = ____   3 x 9 = __   4 x 11 = __
9 x 11 = ____   3 x 3 = __   4 x 1 = __
9 x 7 = ___   3 x 4 = __   4 x 3 = __
9 x 1 = ___   3 x 2 = ___   4 x 8 = __
9 x 9 = ___   3 x 12 = __   4 x 5 = __
9 x 2 = ____   3 x 6 = __   4 x 10 = __
9 x 10 = ____   3 x 1 = __   4 x 12 = __
9 x 8 = ___   3 x 5 = __   4 x 7 = __
9 x 4 = ____   3 x 10 = __   4 x 9 = __

Trace HORIZONTAL lines with a red crayon. Trace VERTICAL lines with a blue crayon. Trace the OBLIQUE lines with a yellow crayon. Divide the heart in two halves with a vertical line and color one half.

I ♥ NINES

70

Date _____

Word Problem Steps:

1. Read the problem carefully.
2. What is the question? Circle the question.
3. Underline the important information.
4. Cross out any information that doesn't matter.
5. Draw a picture and write a number sentence. Solve the problem and show your work.
6. Check. Re-read your problem and check your work.

I bought a pizza each night for a week. Each pizza was cut into eight pieces. I ate them all. How many pieces of pizza did I eat?

Draw the pizzas divided into slices. Write a number sentence.

_____ X _____ = _____

I make baby blankets to donate to the hospital. Each blanket takes 3 rolls of yarn. If I want to donate ten blankets, how many rolls of yarn do I need?

Draw the rolls of yarn. Write a number sentence.

_____ X _____ = _____

You bought 5 bags of marbles with 10 marbles in each bag. If you want to share them equally with one friend, how many marbles do you each get?

How many marbles do you have? Draw them and write a number sentence.

_____ X _____ = _____

Can you split those marbles into two equal groups? How many marbles will you EACH get?

_____ = _____ + _____

It takes 5 pounds of oranges to make 1 quart of juice. How many quarts of juice can you make if you have ten pounds of oranges?

Draw a picture and write a number sentence.

_____ X _____ = _____

If each quart of juice is 4 cups, how many cups of orange juice do you have?

_____ X _____ = _____

Fill in each square with factors such that the product of each set of factors, horizontally and vertically, are correct.

4	2	8
		15
20	6	

4		24
		15
20	18	

4		12
		7
28	3	

4		16
		40
32	20	

4		20
		12
8	30	

4		28
		64
32	56	

Fill in the boxes with the missing addends.

$$33 + \square\square = 65$$

$$21 + \square\square = 47$$

$$19 + \square\square = 79$$

$$\square\square + 40 = 62$$

$$24 + \square\square = 58$$

$$23 + \square\square = 36$$

$$\square\square + 45 = 48$$

$$32 + \square\square = 53$$

$$26 + \square\square = 88$$

$$\square\square + 38 = 49$$

You have one gallon of water. Use a blue crayon to "fill" as many of these containers as you can before you run out of water. Use all of the water.
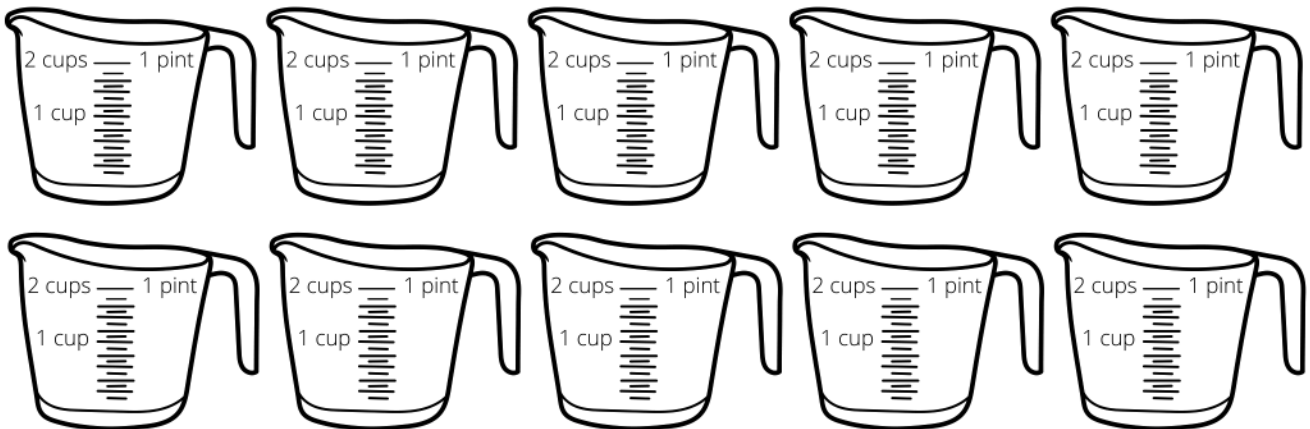
Date _____

Day of the week _____

132 + 15 + 28 + 3 =

hundreds	tens	ones
1	3	2
	1	5
	2	8
+		3

118 + 23 + 67 + 35 =

hundreds	tens	ones
1	1	8
	2	3
	6	7
+	3	5

76 + 43 + 19 + 64 =

hundreds	tens	ones
	7	6
	4	3
	1	9
+	6	4

102 + 81 + 135 + 55 =

hundreds	tens	ones
1	0	2
	8	1
1	3	5
+	5	5
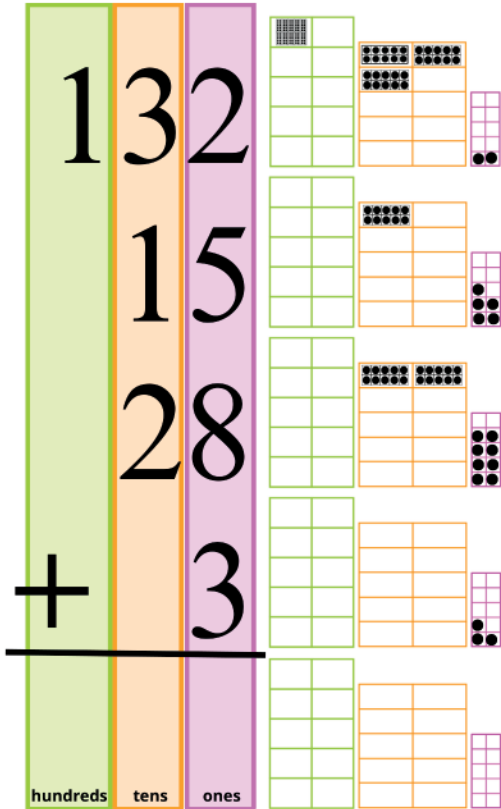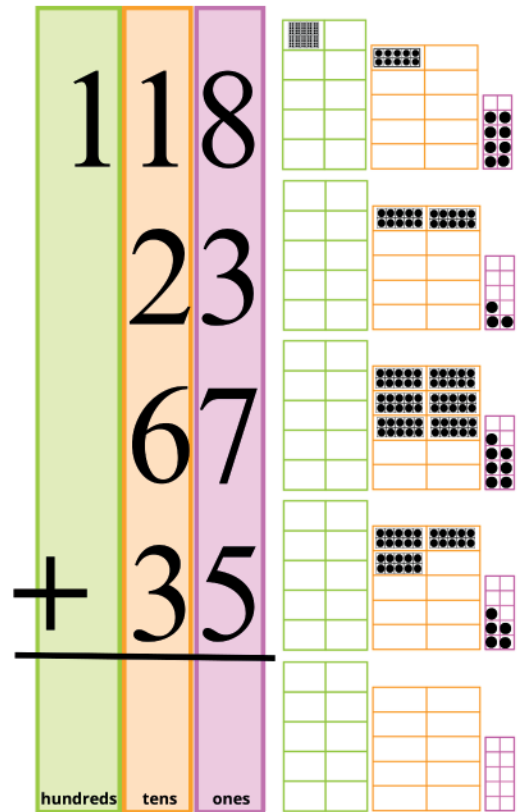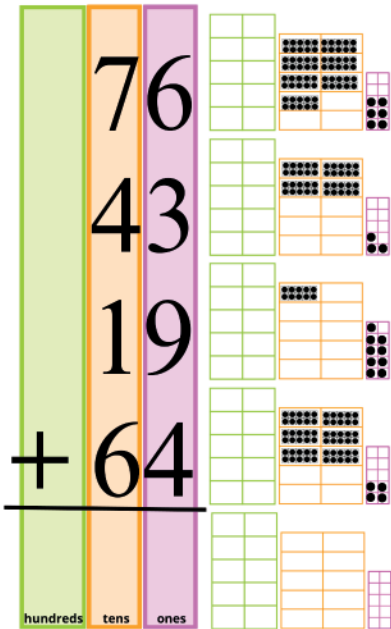
111 + 132 + 91 + 98 =
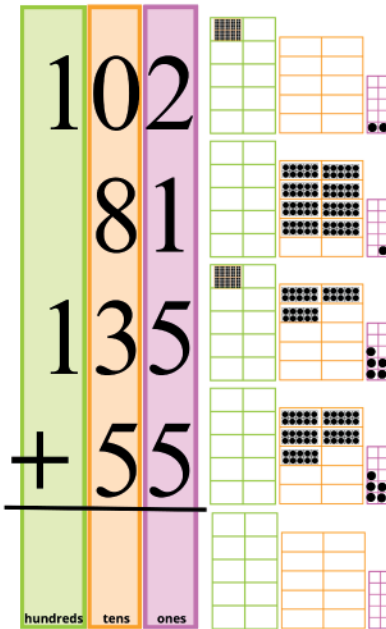
hundreds	tens	ones
1	1	1
1	3	2
	9	1
+	9	8
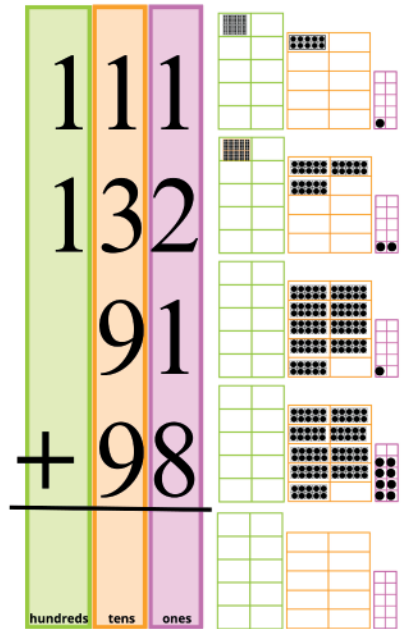
Multiply the number in the center by each number in the middle ring and write the product of those two numbers in the outer ring.

Find the sums.

```
  8 3
  4 7
  2 9
+ 6 1
-------
hundreds tens ones
```

```
  4 0
  2 3
  5 8
+ 3 2
-------
hundreds tens ones
```

```
1 0 6
  3 4
  1 5
+ 7 4
-------
hundreds tens ones
```

```
1 0 1
  2 9
  2 7
+ 5 0
-------
hundreds tens ones
```

```
1 9 0
  1 3
  4 3
+ 6 4
-------
hundreds tens ones
```

Fill in the missing numbers then color the boxes with ODD numbers yellow.

					103			

$3 + 6 =$

$30 + 60 =$

$300 + 600 =$

$3 + 4 =$

$30 + 40 =$

$300 + 400 =$

$1 + 2 =$
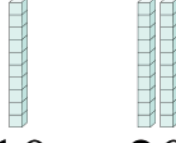
$10 + 20 =$
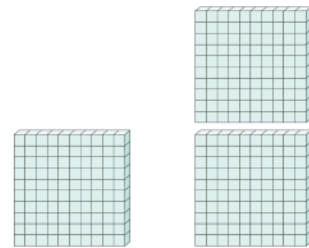
$100 + 200 =$

For school, your mom assigns you two hours of work each day. If you do school five days each week, how many hours do you work each week?

Draw a picture and write a number sentence.

_____ = ____ + _____

You are helping your mom plant the garden. You want to plant tomatoes in 3 rows with seven plants each. How many tomato plants are you planting?

Draw a picture and write a number sentence.

____ X ____ = _____

Find the products.

4 x 12 = ___	9 x 12 = ___	3 x 7 = ___
4 x 3 = ___	9 x 10 = ___	3 x 9 = ___
4 x 8 = ___	9 x 6 = ___	3 x 8 = ___
4 x 11 = ___	9 x 7 = ___	3 x 4 = ___
4 x 2 = ___	9 x 5 = ___	3 x 10 = ___
4 x 5 = ___	9 x 8 = ___	3 x 6 = ___
4 x 4 = ___	9 x 2 = ___	3 x 3 = ___
4 x 9 = ___	9 x 11 = ___	3 x 12 = ___
4 x 6 = ___	9 x 9 = ___	3 x 11 = ___
4 x 10 = ___	9 x 4 = ___	3 x 5 = ___
4 x 7 = ___	9 x 3 = ___	3 x 2 = ___

Color the coins needed to buy each toy.

Date _____

Find the missing parts and complete the fact families.

Problem 1 (teal)

$\begin{array}{r} 51 \\ -33 \\ \hline \end{array}$

$\begin{array}{r} +33 \\ \hline 51 \end{array}$

tens | ones

51 whole, part 33, part ◯

___ + ___ = ___
___ + ___ = ___
___ - ___ = ___
___ - ___ = ___

Problem 2 (orange)

$\begin{array}{r} 39 \\ -25 \\ \hline \end{array}$

$\begin{array}{r} +25 \\ \hline 39 \end{array}$

tens | ones

39 whole, part ◯, part 25

___ + ___ = ___
___ + ___ = ___
___ - ___ = ___
___ - ___ = ___

Problem 3 (green)

$\begin{array}{r} 32 \\ -17 \\ \hline \end{array}$

$\begin{array}{r} +17 \\ \hline 32 \end{array}$

tens | ones

32 whole, part 17, part ◯

___ + ___ = ___
___ + ___ = ___
___ - ___ = ___
___ - ___ = ___

Problem 4 (navy)

$\begin{array}{r} 62 \\ -23 \\ \hline \end{array}$

$\begin{array}{r} +23 \\ \hline 62 \end{array}$

tens | ones

62 whole, part ◯, part 23

___ + ___ = ___
___ + ___ = ___
___ - ___ = ___
___ - ___ = ___

Label the missing PARTS.

14
8

27
6

Start

15 312 223 172 102 414 8

104

19

SPACE RACE

124 178 310 24 25 153 143

16

16

16

- Move one space at a time, matching the color of the square you are on to the circle below to find out whether you should add or subtract 1, 10 or 100.
- Perform the operation , then write the sums or differences on each adjacent lighter colored space.
- Work as fast as you can!

+1 **-1** **+10** **-10** **+100** **-100**

311 20 159 56 109 35 136 743

104

29

24 215 86 572 129 133 114

97
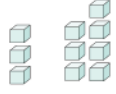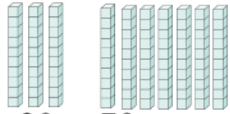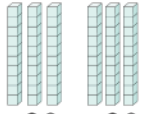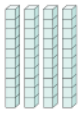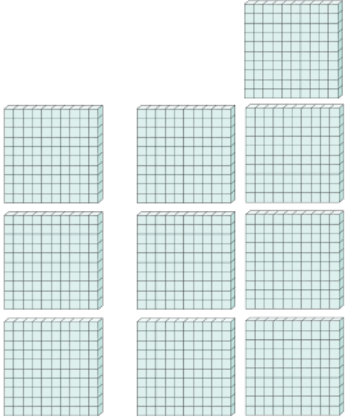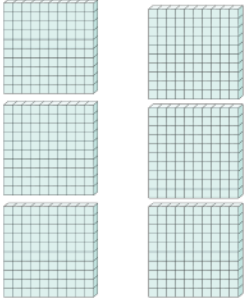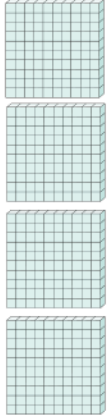
31 20 245 165 79 126 113 **Finish**

Date _____
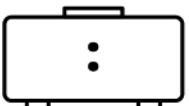
Day of the week _____

How many Sundays are in this month? _____

x	1	2	3	4	5	6	7	8	9	10	11	12
12												
11												
10												
9												
8												
7												
6												
5												
4												
3												
2												
1												
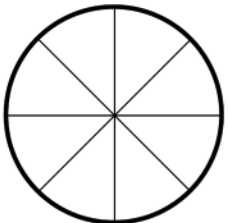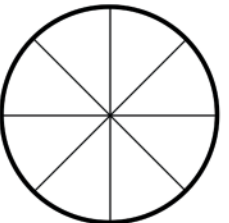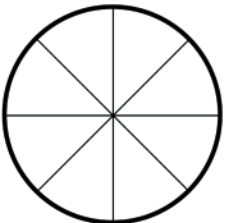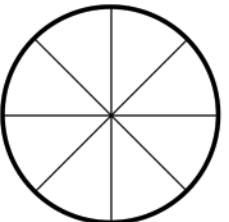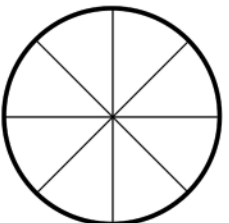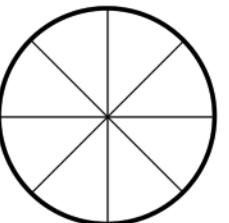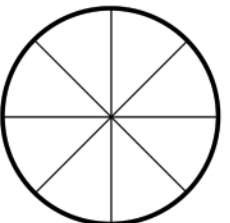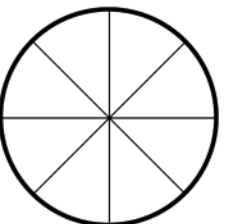
3 + 7 =	30 + 70 =	
		3 + 3 =
30 + 30 =	4 - 2 =	40 - 20 =

3 + 7 =   30 + 70 =   3 + 3 =   30 + 30 =   4 - 2 =   40 - 20 =

300 + 700 =   300 + 300 =   400 - 200 =

What time is shown on these clocks? Write the time on the digital clock below.

Color pieces of each circle to illustrate the fraction to its left.

$\frac{1}{8}$ $\frac{2}{8}$ $\frac{3}{8}$ $\frac{4}{8}$

$\frac{5}{8}$ $\frac{6}{8}$ $\frac{7}{8}$ $\frac{8}{8}$

Date _____

Find the products. The SIXES products are double threes products.

3 x 1 = _____   6 x 1 = _____   10 x 3 = _____

3 x 2 = _____   6 x 2 = _12_   2 x 9 = _____
                       half

3 x 3 = _____   6 x 3 = _____   5 x 3 = _____

3 x 4 = _____   6 x 4 = _4_   3 x 4 = _____
                       half

3 x 5 = _____   6 x 5 = _____   4 x 5 = _____

3 x 6 = _____   6 x 6 = _6_   9 x 6 = _____
                       half

3 x 7 = _____   6 x 7 = _____   10 x 4 = _____

3 x 8 = _____   6 x 8 = _____   2 x 5 = _____
                       half

3 x 9 = _____   6 x 9 = _____   5 x 9 = _____

3 x 10 = _____   6 x 10 = _____   3 x 10 = _____

3 x 11 = _____   6 x 11 = _____   4 x 9 = _____

3 x 12 = _____   6 x 12 = _____   9 x 3 = _____

Complete these circles by multiplying the center number by each number around the circle.

Fill in the missing numbers.

			101						

81

Find the SUMS and DIFFERENCE by adding or subtracting mentally.

78 – 10 = ___   132 + 10 = ___   447 - 100 = ___

104 + 100 = ___   75 - 10 = ___   219 + 10 = ___

231 + 10 = ____   112 + 100 = ____   268 - 10 = ____

710 - 100 = ___   715 - 1 = ___   209 + 100 = ___

63 - 1 = ___   34 + 1 = ___   85 - 1 = ___

49 + 10 = ___   343 - 100 = ___   53 - 10 = ___

124 - 10 = ___   522 - 10 = ___   136 + 1 = ___

Fill in the blanks of these multiplication circles using your SIX times table.

Fill in each square with factors such that the product of each set of factors, horizontally and vertically, are correct.

82

Date _____

Complete all of the multiplication and division facts for each fact family.

6 / 2 / 3

2 x 3 = 6
3 x 2 = 6
6 ÷ 3 = 2
6 ÷ 2 = 3

8 / 2 / 4

__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

10 / 2 / 5

__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

Fill in the missing numbers.

								106	

Find the products. What is the significance of the colored problems?

6 x 5 = _____   4 x 11 = ____   3 x 9 = ___

6 x 12 = _____   4 x 9 = ___   3 x 11 = ___

6 x 6 = _____   4 x 4 = ___   3 x 3 = ___

6 x 3 = _____   4 x 2 = ___   3 x 7 = ___

6 x 11 = _____   4 x 5 = ___   3 x 8 = ___

6 x 7 = _____   4 x 3 = ___   3 x 1 = ___

6 x 1 = _____   4 x 8 = ___   3 x 2 = ___

6 x 9 = _____   4 x 1 = ___   3 x 12 = ___

6 x 2 = _____   4 x 10 = ___   3 x 6 = ___

6 x 10 = _____   4 x 12 = ___   3 x 4 = ___

6 x 8 = _____   4 x 7 = ___   3 x 5 = ___

6 x 4 = _____   4 x 6 = ___   3 x 10 = ___

83

Complete these circles by multiplying the center number by each number around the circle.

Fill in the blanks of these multiplication circles so that the outer circle is the PRODUCT of the middle circle and the innermost circle.

Fill in each square with factors such that the product of each set of factors, horizontally and vertically, are correct.

6		36
		10
12	30	

5		15
		8
20	6	

4		16
		45
20	36	

9		45
		18
27	30	

3		27
		24
18	36	

2		12
		27
18	18	

84
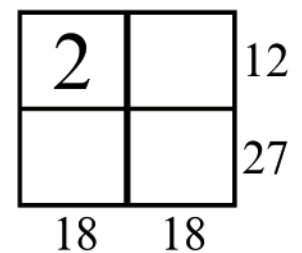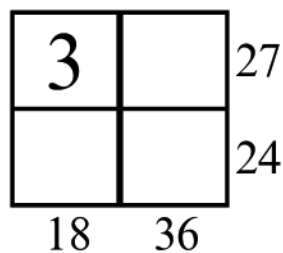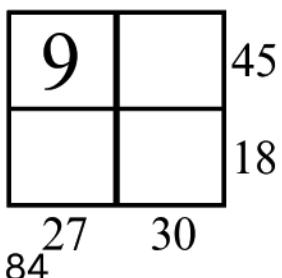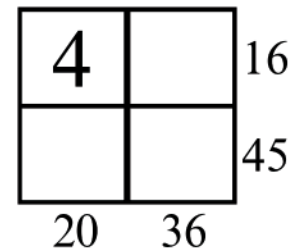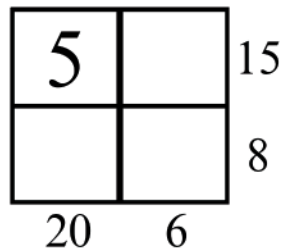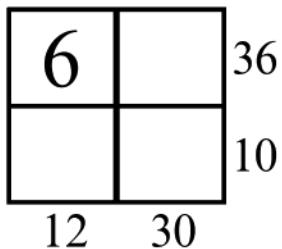
	ten thousands	thousands	hundreds	tens	ones
25 x 1 =				2	5
25 x 10 =			2	5	0
25 x 100 =		2	5	0	0
25 x 1000 =	2	5	0	0	0

	ten thousands	thousands	hundreds	tens	ones
41 x 1 =					
41 x 10 =					
41 x 100 =					
41 x 1000 =					

	ten thousands	thousands	hundreds	tens	ones
39 x 1 =					
39 x 10 =					
39 x 100 =					
39 x 1000 =					

	ten thousands	thousands	hundreds	tens	ones
12 x 1 =					
12 x 10 =					
12 x 100 =					
12 x 1000 =					

Complete all of the multiplication and division facts for each fact family.

42 — 6, 7

___ x ___ = ___
___ x ___ = ___
___ ÷ ___ = ___
___ ÷ ___ = ___

54 — 6, 9

___ x ___ = ___
___ x ___ = ___
___ ÷ ___ = ___
___ ÷ ___ = ___

72 — 6, 12

___ x ___ = ___
___ x ___ = ___
___ ÷ ___ = ___
___ ÷ ___ = ___

66 — 6, 11

___ x ___ = ___
___ x ___ = ___
___ ÷ ___ = ___
___ ÷ ___ = ___

60 — 6, 10

___ x ___ = ___
___ x ___ = ___
___ ÷ ___ = ___
___ ÷ ___ = ___

48 — 6, 8

___ x ___ = ___
___ x ___ = ___
___ ÷ ___ = ___
___ ÷ ___ = ___

You bought 2 bags of mangoes with 5 mangoes in each bag. If your mom tells you to share them equally with your four brothers, how many mangoes do you each get?

How many mangoes do you have? Draw them and write a number sentence.

_____ X _____ = _____

How many people are sharing the mangoes? Yourself plus four brothers.

_____ + _____ = _____

Can you split those mangoes into equal groups? How many mangoes will you EACH get?

_____ = _____ + _____ + _____ + _____ + _____

Can you think of another way to write the number sentence above?

_____ X _____ = _____

Fill in each square with factors such that the product of each set of factors, horizontally and vertically, are correct.

2	6	12
5		45
10	54	

5		25
		40
20	50	

10		40
		6
30	8	

9		45
		18
54	15	

3		27
		12
9	36	

4		20
		30
20	30	

6		36
		45
54	30	

5		30
		15
25	18	

2		8
		30
10	24	

4		20
		18
8	45	

3		12
		24
18	16	

6		54
		18
36	27	

7 x 1 =	7 x 2 =	7 x 3 =
07	14	21
7 x 4 =	7 x 5 =	7 x 6 =
28	35	42
7 x 7 =	7 x 8 =	7 x 9 =
49	56	63

2+1=3
4+2=6
6+3=9

Find the products.

1. Write the ONES digit in each square, starting with 1 in the top right square, incrementing by one down and to the left.
2. Write the TENS digit in each square, starting with zero in the top left square, then incrementing by across the row, repeating the previous number in the successive row, then incrementing across the row.

7 x 10 = 70
7 x 11 = 77
7 x 12 = 84

Numbers have such GREAT patterns!

Number each clock face, then draw the hands to show:

Half past three   Quarter before four   Four o'clock

What time is shown on these clocks? Write the time on the digital clock below.

Find the products. What is the significance of the colored problems?

7 x 8 = _____   6 x 5 = _____   4 x 3 = _____

7 x 11 = _____   6 x 12 = _____   4 x 10 = _____

7 x 5 = _____   6 x 6 = _____   4 x 12 = _____

7 x 7 = _____   6 x 11 = _____   4 x 7 = _____

7 x 9 = _____   6 x 7 = _____   4 x 6 = _____

7 x 4 = _____   6 x 1 = _____   4 x 9 = _____

7 x 2 = _____   6 x 2 = _____   4 x 4 = _____

7 x 12 = _____   6 x 10 = _____   4 x 11 = _____

7 x 6 = _____   6 x 8 = _____   4 x 5 = _____

7 x 1 = _____   6 x 4 = _____   4 x 8 = _____

7 x 3 = _____   6 x 3 = _____   4 x 1 = _____

7 x 10 = _____   6 x 9 = _____   4 x 2 = _____

Fill in the missing numbers.

				100					

Draw lines around the objects to divide each set into TWO equal halves

What is half of twenty?

What is half of eighteen?

Complete all of the multiplication and division facts for each fact family.

21
7   3

___ x ___ = ___
___ x ___ = ___
___ ÷ ___ = ___
___ ÷ ___ = ___

28
7   4

___ x ___ = ___
___ x ___ = ___
___ ÷ ___ = ___
___ ÷ ___ = ___

35
7   5

___ x ___ = ___
___ x ___ = ___
___ ÷ ___ = ___
___ ÷ ___ = ___

42
7   6

___ x ___ = ___
___ x ___ = ___
___ ÷ ___ = ___
___ ÷ ___ = ___

49
7   7

___ x ___ = ___
___ x ___ = ___
___ ÷ ___ = ___
___ ÷ ___ = ___

56
7   8

___ x ___ = ___
___ x ___ = ___
___ ÷ ___ = ___
___ ÷ ___ = ___

Find the products.

	ten thousands	thousands	hundreds	tens	ones

27 x 1 =
27 x 10 =
27 x 100 =
27 x 1000 =

93 x 1 =
93 x 10 =
93 x 100 =
93 x 1000 =

54 x 1 =
54 x 10 =
54 x 100 =
54 x 1000 =

67 x 1 =
67 x 10 =
67 x 100 =
67 x 1000 =

Find the products. What is the significance of the colored problems?

7 x 8 = ____
7 x 11 = ____
7 x 4 = ____
7 x 2 = ____
7 x 12 = ____
7 x 3 = ____
7 x 6 = ____
7 x 1 = ____
7 x 5 = ____
7 x 7 = ____
7 x 9 = ____
7 x 10 = ____

6 x 5 = ____
6 x 8 = ____
6 x 4 = ____
6 x 11 = ____
6 x 7 = ____
6 x 1 = ____
6 x 12 = ____
6 x 6 = ____
6 x 2 = ____
6 x 10 = ____
6 x 3 = ____
6 x 9 = ____

4 x 8 = ____
4 x 1 = ____
4 x 3 = ____
4 x 9 = ____
4 x 10 = ____
4 x 12 = ____
4 x 7 = ____
4 x 6 = ____
4 x 4 = ____
4 x 11 = ____
4 x 2 = ____
4 x 5 = ____

Date _____

Draw lines to divide each set into equal halves. If there is a leftover, circle it in red, then use a vertical line to cut it in half.
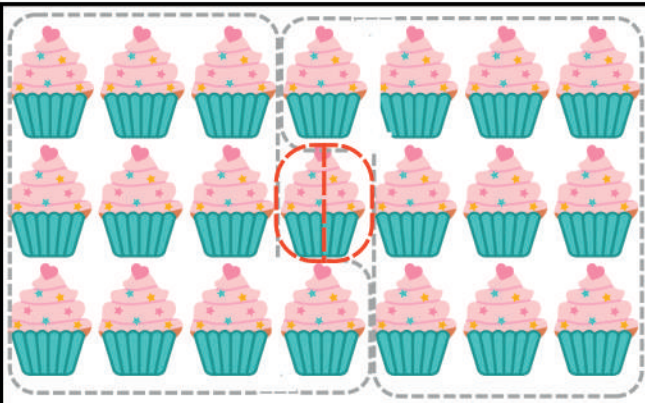
$21 \div 2 =$ $10\frac{1}{2}$

$24 \div 2 =$

$28 \div 2 =$

$15 \div 2 =$

$25 \div 2 =$

$5 \div 2 =$

Fill in the blanks of these multiplication circles so that the outer circle is the PRODUCT of the middle circle and the innermost circle.

Circle 1 (7x, green): 49, 70, 28, 7, 10, 5, 3, 6, 56, 63

Circle 2 (7x, orange): 35, 1, 4, 14, 21, 6, 7, 56

Circle 3 (7x, blue): 56, 49, 11, 9, 12, 7, 84, 70

Find the sums.

$$\begin{array}{r} 147 \\ +\ 83 \\ \hline \end{array}\qquad \begin{array}{r} 109 \\ +192 \\ \hline \end{array}\qquad \begin{array}{r} 114 \\ +187 \\ \hline \end{array}\qquad \begin{array}{r} 133 \\ +134 \\ \hline \end{array}$$

hundreds tens ones

Find the differences.

$$\begin{array}{r} 994 \\ -358 \\ \hline \end{array}\qquad\qquad \begin{array}{r} 699 \\ -527 \\ \hline \end{array}$$

hundreds tens ones

$$\begin{array}{r} 31 \\ -15 \\ \hline \end{array}\quad \begin{array}{r} 43 \\ -28 \\ \hline \end{array}\quad \begin{array}{r} 52 \\ -39 \\ \hline \end{array}\quad \begin{array}{r} 70 \\ -56 \\ \hline \end{array}$$

tens | ones

$$\begin{array}{r} 56 \\ -27 \\ \hline \end{array}\quad \begin{array}{r} 64 \\ -49 \\ \hline \end{array}\quad \begin{array}{r} 85 \\ -61 \\ \hline \end{array}\quad \begin{array}{r} 65 \\ -36 \\ \hline \end{array}$$

tens | ones

Multiplication & Division Terminology

Multiplication

multiply   equal

$$3 \times 7 = 21$$

factors   product

Division

divide   equal

$$21 \div 7 = 3$$

dividend   divisor   quotient

Each bunch has three bananas. How many bananas are there total?

_____ X _____ = _____

# of bunches   # of bananas in each bunch

____ + ____ + ____ + ____ + ____ = ____

This bunch has 15 bananas. Can you divide it into five equal groups?

$$15 \div 5 = \boxed{}$$

____ + ____ + ____ + ____ + ____ = ____

Draw a multiplication problem and write a number sentence.

Reverse your multiplication problem to make a division problem. Illustrate the problem and write a number sentence.

4 holes each in 7 buttons is how many holes?

___ x ___ = ____

28 / 4 / 7

__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

___ + ___ + ___ + ___ + ___ + ___ + ___ = ___
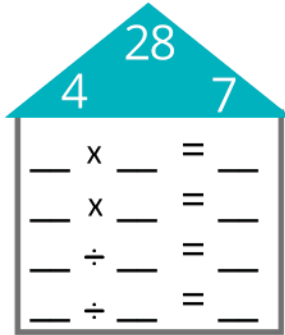
Draw lines to divide these flowers into seven equal groups.
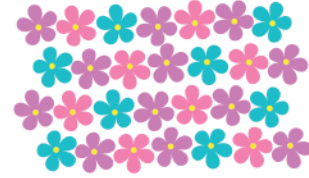
28 ÷ 7 = ____

How many eyes total do these cute monsters have?

___ x ___ = ____

12 / 3 / 4

__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

___ + ___ + ___ + ___ = ___
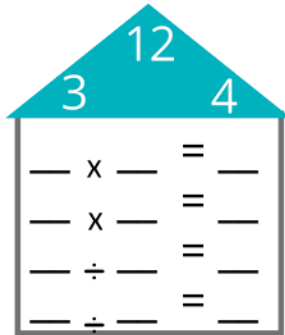
Draw lines to divide these eyes into four equal groups.

___ ÷ ___ = ____
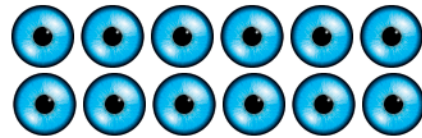
Find the product.

6 x 8 = ____

6 x 2 = ____

6 x 6 = ____

6 x 5 = ____

6 x 7 = ____

6 x 1 = ____

6 x 11 = ____

6 x 10 = ____

6 x 9 = ____

6 x 12 = ____

6 x 3 = ____

6 x 4 = ____

Find the product.

7 x 4 = ____

7 x 9 = ____

7 x 6 = ____

7 x 8 = ____

7 x 5 = ____

7 x 11 = ____

7 x 4 = ____

7 x 2 = ____

7 x 10 = ____

7 x 1 = ____

7 x 3 = ____

7 x 12 = ____

Find the quotient.

21 ÷ 7 = ___

28 ÷ 7 = ___

56 ÷ 7 = ___

7 ÷ 7 = ___

42 ÷ 7 = ___

49 ÷ 7 = ___

14 ÷ 7 = ___

70 ÷ 7 = ___

84 ÷ 7 = ___

77 ÷ 7 = ___

63 ÷ 7 = ___

35 ÷ 7 = ___

You made a lemon pie and you want to share it. You have a whole pie. You cut it into FOURTHS.

Numerator (you have 4 pieces) → $\dfrac{4}{4}$ **Denominator** (the pie is cut into 4 pieces)
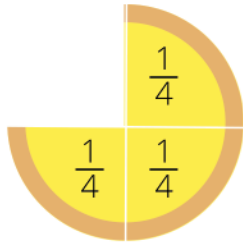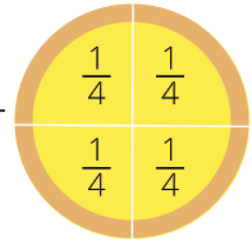
$\dfrac{3}{4}$ ← **Numerator** (you have 3 pieces)
← **Denominator** (the pie is cut into 4 pieces)

You gave your sister a piece.

You gave your dad a piece.

Numerator (you have 2 pieces) → $\dfrac{\square}{4}$ **Denominator** (the pie is cut into 4 pieces)
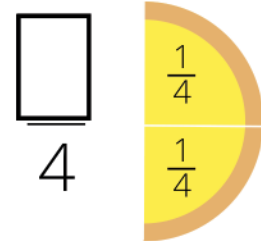
← **Numerator** (you have 1 piece left!)
$\dfrac{\square}{4}$ ← **Denominator** (the pie is cut into 4 pieces)

You gave your mom a piece.

And then you ate the last piece. Yum!

Label each piece of each circle with the correct fraction. Remember, the **DENOMINATOR** (the bottom of each fraction) is the NUMBER of pieces the shape is divided into and the **NUMERATOR** (the top of each fraction) will be one.
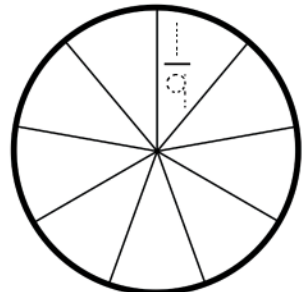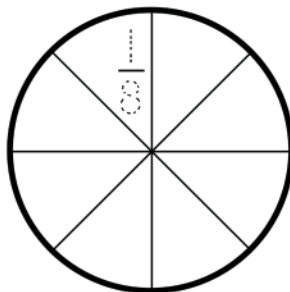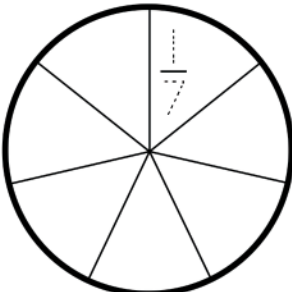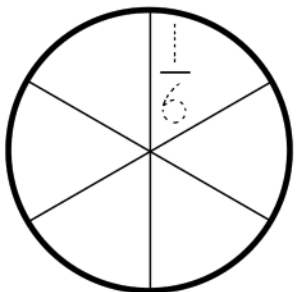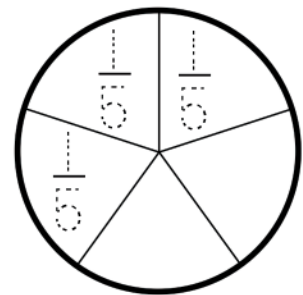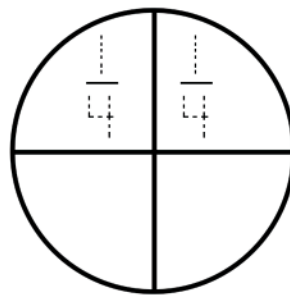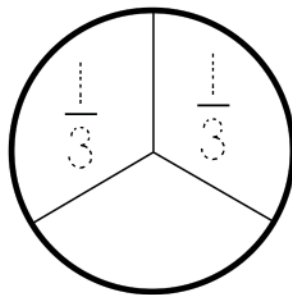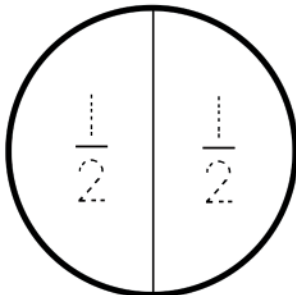
Label each fraction (the blue portion). Then draw the correct comparison symbol (<, >, =) in the small circle between the fractions. Remember to EAT the bigger fraction.
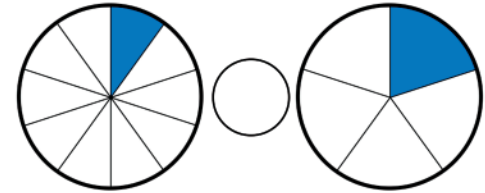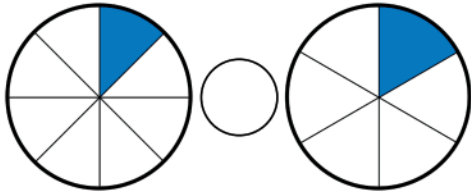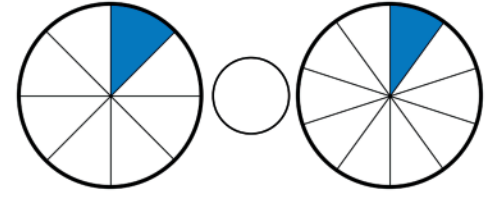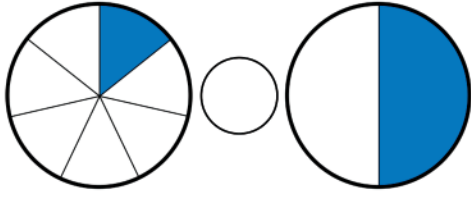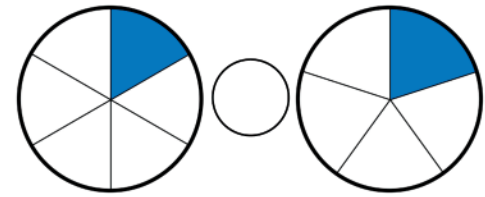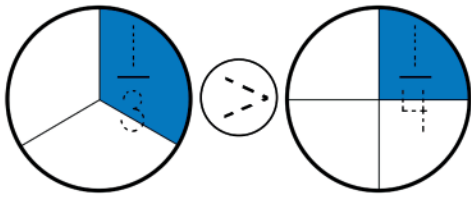
Fill in the missing numbers.

								101	

Find the product.

7 x 2 = ____

7 x 10 = ____

7 x 6 = ____

7 x 8 = ____

7 x 5 = ____

7 x 7 = ____

7 x 9 = ____

7 x 4 = ____

7 x 12 = ____

7 x 1 = ____

7 x 3 = ____

7 x 11 = ____

Find the product.

6 x 6 = ____

6 x 2 = ____

6 x 9 = ____

6 x 10 = ____

6 x 7 = ____

6 x 1 = ____

6 x 5 = ____

6 x 11 = ____

6 x 8 = ____

6 x 4 = ____

6 x 3 = ____

6 x 12 = ____

Find the quotient.

36 ÷ 6 = ___

12 ÷ 6 = ___

54 ÷ 6 = ___

60 ÷ 6 = ___

42 ÷ 6 = ___

6 ÷ 6 = ___

30 ÷ 6 = ___

66 ÷ 6 = ___

48 ÷ 6 = ___

24 ÷ 6 = ___

18 ÷ 6 = ___

72 ÷ 6 = ___

Date _____

What is the date next Sunday? _____

Draw lines to match the fractions.

$\frac{4}{5}$ 1 $\frac{2}{5}$ $\frac{4}{6}$ $\frac{1}{4}$ $\frac{1}{2}$ $\frac{2}{3}$ $\frac{1}{3}$
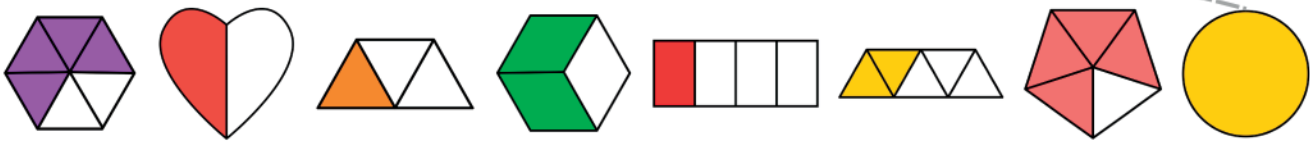
Complete these circles by multiplying the center number by each number around the circle.
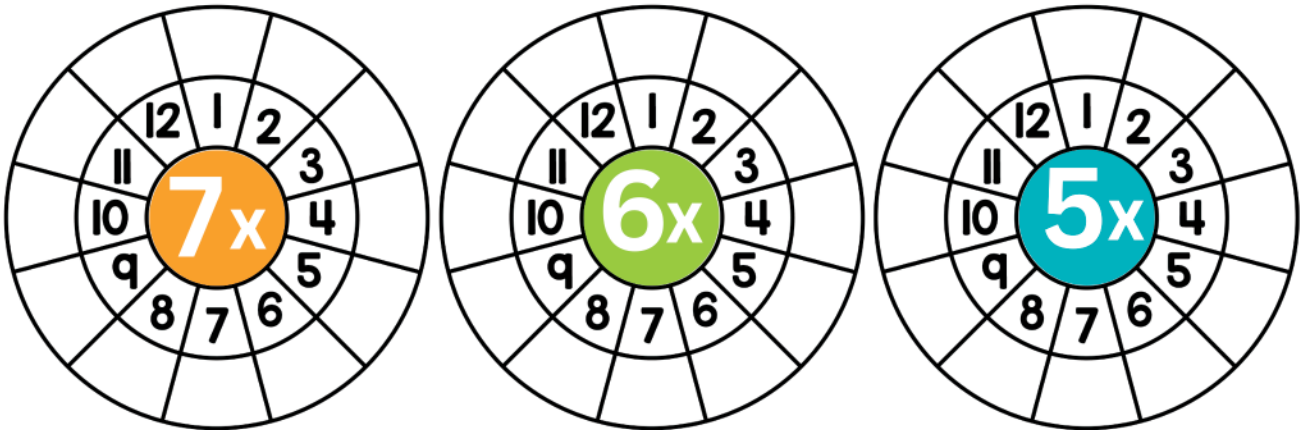
Fill in the blanks of these multiplication circles so that the outer circle is the PRODUCT of the middle circle and the innermost circle.
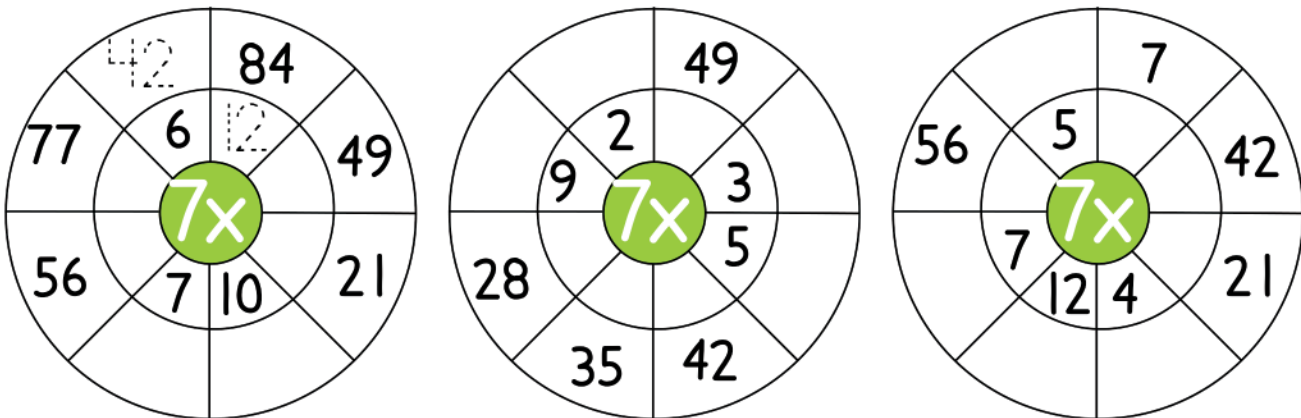
Divide these tomatoes into 6 groups.
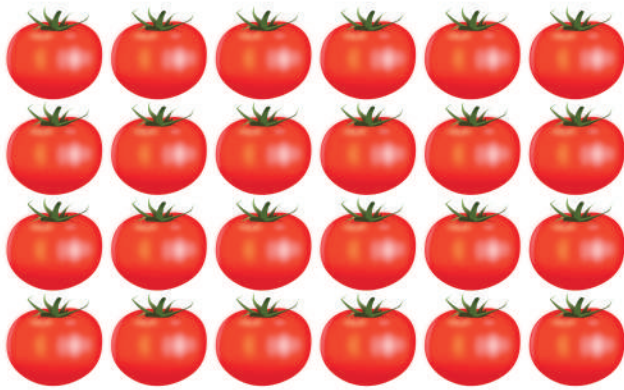
$$24 \div 6 = \underline{}$$

Divide these peppers into 4 groups.

$$28 \div 4 = \underline{}$$

Shade part of each figure to match the fraction.

$\dfrac{1}{4}$

$\dfrac{2}{4}$

$\dfrac{3}{4}$

$\dfrac{4}{4}$

$\dfrac{2}{6}$

$\dfrac{3}{6}$

$\dfrac{5}{6}$

$\dfrac{6}{6}$

$\dfrac{2}{8}$

$\dfrac{4}{8}$

$\dfrac{7}{8}$

$\dfrac{8}{8}$
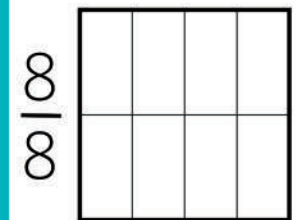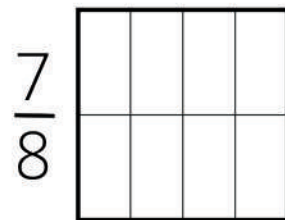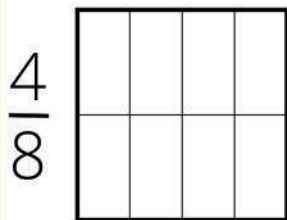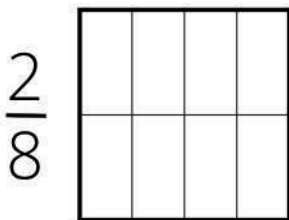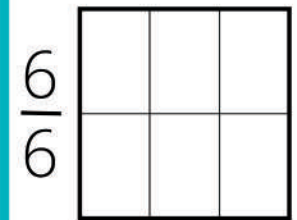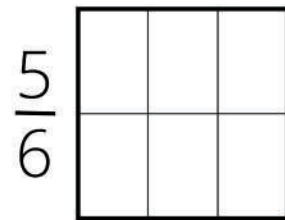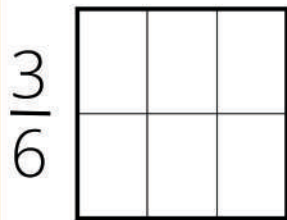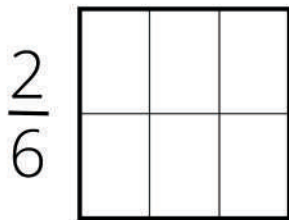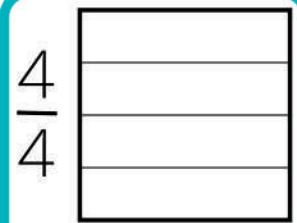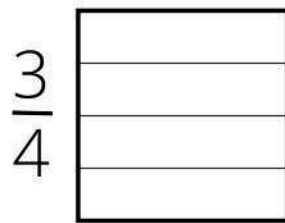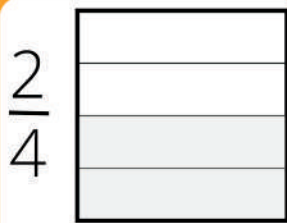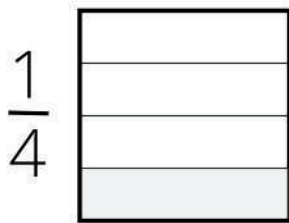
Why do you have a WHOLE when the numerator and the denominator in a fraction are the same number?

What do these fractions have in common?

Shade five-ninths of the triangle so the unshaded part is still a triangle.
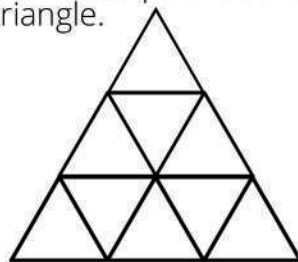
What do these fractions have in common?
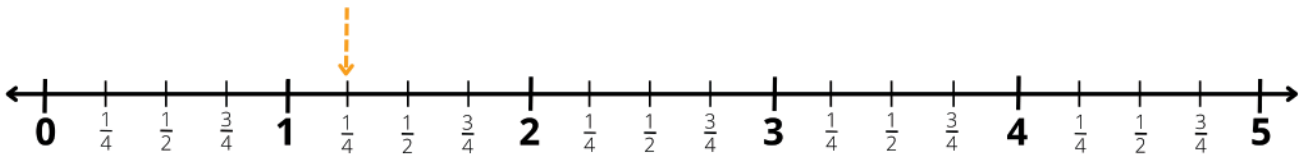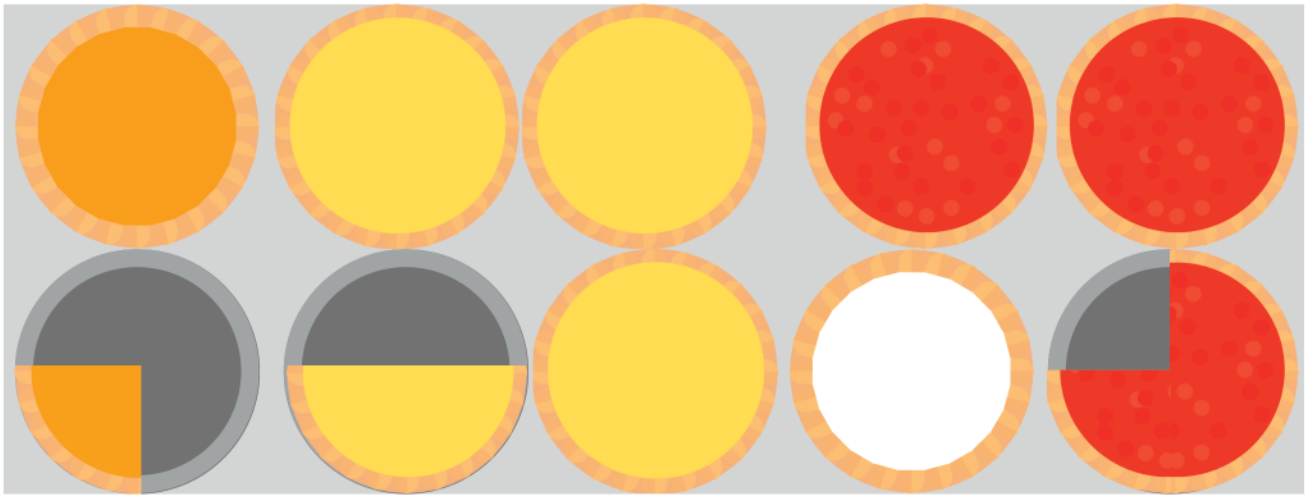
Use mixed numbers to write the amount of each type of pie, then draw an arrow to that amount on the number line:

pumpkin pie (brown): _____   cherry pie (red): _____

lemon pie (yellow): _____   coconut cream pie (white): _____

Color $2\frac{1}{5}$	Color $1\frac{3}{4}$	Color $1\frac{3}{6}$	Color $2\frac{1}{2}$	Color $2\frac{1}{3}$

Find the sums.

$$113 + 97$$ $$109 + 125$$ $$175 + 184$$ $$160 + 193$$ $$128 + 158$$

$$139 + 125$$ $$124 + 157$$ $$140 + 172$$ $$156 + 146$$ $$167 + 134$$

$$248 + 254$$ $$237 + 285$$ $$371 + 463$$ $$163 + 299$$ $$508 + 182$$

Find the differences.

	tens	ones
$51 - 27$		

	tens	ones
$43 - 16$		

	tens	ones
$52 - 29$		

	tens	ones
$40 - 26$		

Label the fractions, then name them aloud. Remember, the DENOMINATOR (bottom) of a fraction tells you how many pieces the shape is divided into. The NUMERATOR (top) tells you how many pieces you HAVE (they're colored).

$\frac{5}{8}$

100
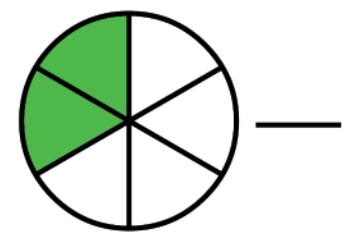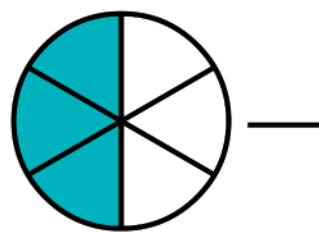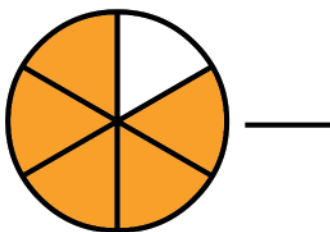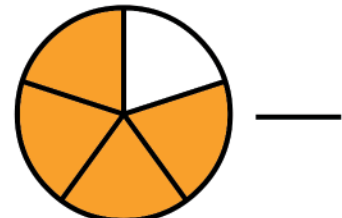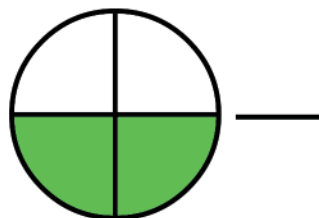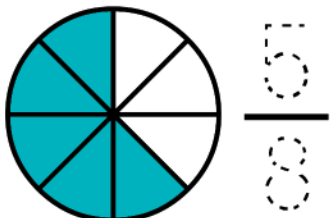
Date _____

What is the date tomorrow? _____

You have 11 bouncy balls to share with 3 friends. Draw the bouncy balls and write a number sentence.

remainder
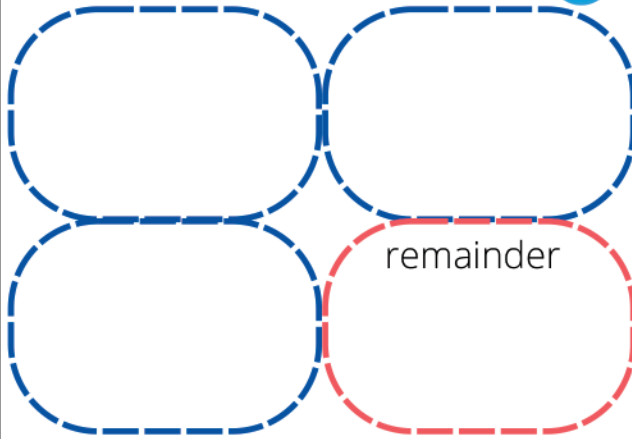
$11 \div 3 =$ ___ R ___

You want to share a bag of 17 candies with 4 friends. Draw the candies and write a number sentence.

remainder
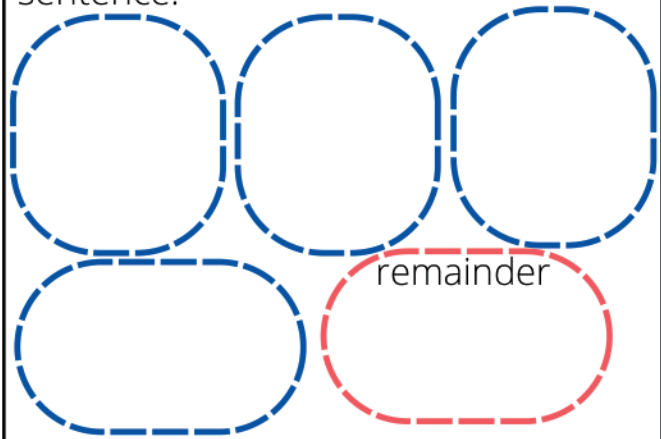
$17 \div 4 =$ ___ R ___

You want to plant 25 bean seeds in 4 rows. Draw the bean seeds and write a number sentence.

remainder
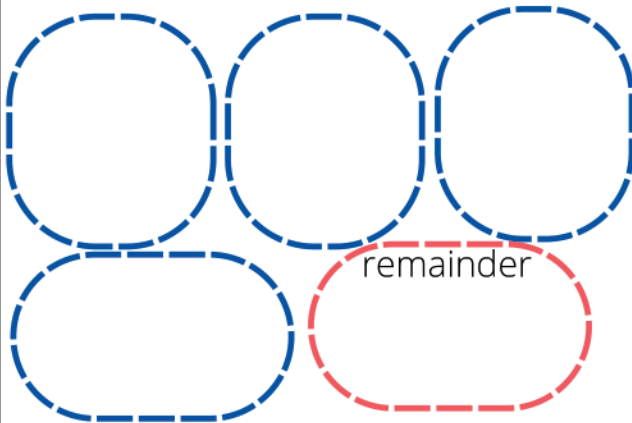
$25 \div 4 =$ ___ R ___

You have a bag of 28 dog treats you want to share equally between your 3 dogs. Draw the treats and write a number sentence.

remainder
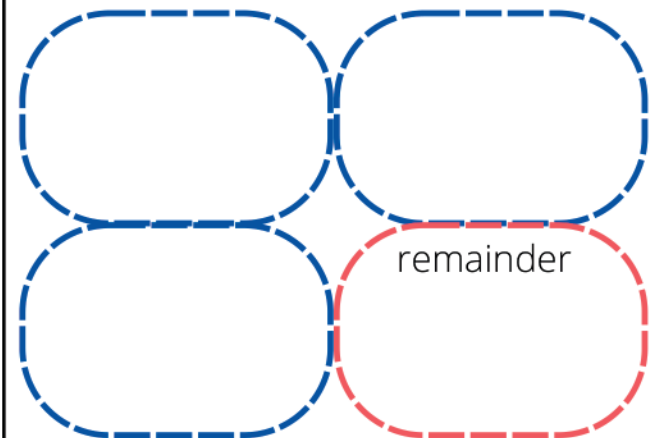
$28 \div 3 =$ ___ R ___

Color $3\frac{3}{10}$
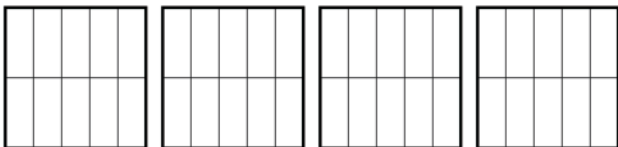
Color $2\frac{5}{9}$

Find the product.

6 x 1 = _____

6 x 11 = _____

6 x 6 = _____

6 x 2 = _____

6 x 9 = _____

6 x 7 = _____

6 x 4 = _____

6 x 12 = _____

6 x 8 = _____

6 x 3 = _____

6 x 10 = _____

6 x 5 = _____

Find the product.

7 x 5 = _____

7 x 9 = _____

7 x 7 = _____

7 x 8 = _____

7 x 2 = _____

7 x 11 = _____

7 x 6 = _____

7 x 4 = _____

7 x 3 = _____

7 x 1 = _____

7 x 12 = _____

7 x 10 = _____

Find the quotient.

49 ÷ 7 = ___

7 ÷ 7 = ___

70 ÷ 7 = ___

84 ÷ 7 = ___

42 ÷ 7 = ___

14 ÷ 7 = ___

77 ÷ 7 = ___

63 ÷ 7 = ___

28 ÷ 7 = ___

21 ÷ 7 = ___

35 ÷ 7 = ___

56 ÷ 7 = ___

Would you rather have a piece of cake from this cake cut into TWELVE pieces or this cake cut into TWO pieces? Why?

Fill in the blanks of these multiplication circles so that the outer circle is the PRODUCT of the middle circle and the innermost circle.

Date _____

Find the products.

8 x 1 = ____	7 x 12 = ____	6 x 6 = ____
8 x 2 = ____	7 x 7 = ____	6 x 11 = ____
8 x 3 = ____	7 x 3 = ____	6 x 5 = ____
8 x 4 = ____	7 x 2 = ____	6 x 7 = ____
8 x 5 = ____	7 x 1 = ____	6 x 10 = ____
8 x 6 = ____	7 x 9 = ____	6 x 4 = ____
8 x 7 = ____	7 x 5 = ____	6 x 3 = ____
8 x 8 = ____	7 x 11 = ____	6 x 8 = ____
8 x 9 = ____	7 x 4 = ____	6 x 12 = ____
8 x 10 = ____	7 x 8 = ____	6 x 2 = ____
8 x 11 = ____	7 x 10 = ____	6 x 9 = ____
8 x 12 = ____	7 x 6 = ____	6 x 1 = ____

Divide each square into four EQUAL pieces different ways. Label each piece with the correct fraction.

Think of QUARTER BEFORE a time as moving the hands BACKWARD 15 minutes.

Show two o'clock on both clocks.

Show **quarter before two** on these clocks.

Find the SUMS and DIFFERENCES by adding or subtracting mentally.

73 + 10 = ____   75 - 10 = ____   37 + 10 = ____

39 - 1 = ____   605 - 100 = ____   115 + 100 = ____

119 + 100 = ____   97 - 10 = ____   130 + 10 = ____

125 + 10 = ____   143 + 100 = ____   202 - 100 = ____

61 - 10 = ____   65 - 10 = ____   158 - 10 = ____

Find the products.

	ten thousands	thousands	hundreds	tens	ones

15 x 1 =

15 x 10 =

15 x 100 =

15 x 1000 =

	ten thousands	thousands	hundreds	tens	ones

37 x 1 =

37 x 10 =

37 x 100 =

37 x 1000 =

	ten thousands	thousands	hundreds	tens	ones

22 x 1 =

22 x 10 =

22 x 100 =

22 x 1000 =

	ten thousands	thousands	hundreds	tens	ones

58 x 1 =

58 x 10 =

58 x 100 =

58 x 1000 =

Find the sums.

16	19	18	15	11
+16	+19	+18	+15	+11

16	19	18	15	11
+10	+10	+10	+10	+10

Date _____

Find the value of each row of coins and write the total in the box.

(row of dimes)	☐ ¢
(row of pennies)	☐ ¢
(quarter, penny, penny, penny)	☐ ¢
(quarter, quarter, quarter, dime, nickel)	☐ ¢
(quarter, quarter, dime, nickel, penny)	☐ ¢

(row of nickels)	☐ ¢
(row of quarters)	☐ ¢
(quarter, quarter, nickel, nickel, penny)	☐ ¢
(dimes and nickels)	☐ ¢
(quarter, quarter, nickel, penny, penny)	☐ ¢

Draw lines to match the amounts in the top and bottom rows of squares.

Color the coins needed to buy the binoculars.

$1.99

Label each fraction (the colored portion). Then draw the correct comparison symbol (<, >, =) in the small circle between the fractions. Remember to EAT the bigger fraction.
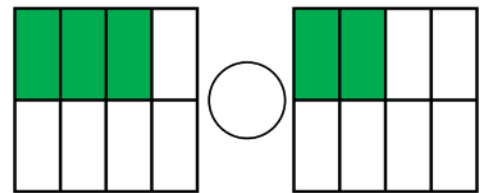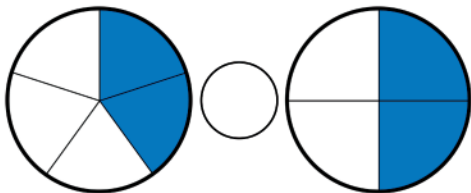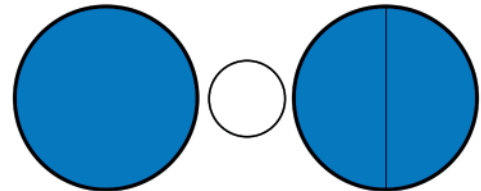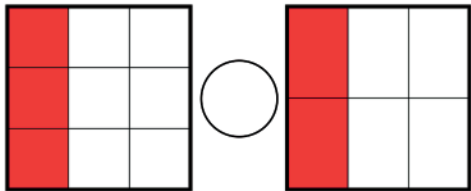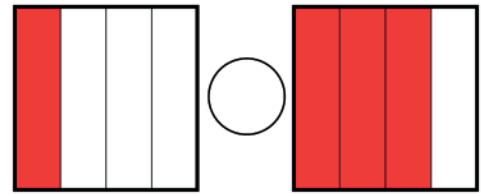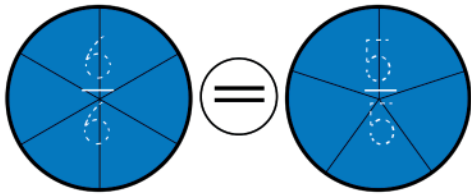
What time is shown on these clocks? Write the time on the digital clock below.
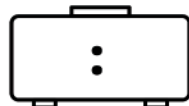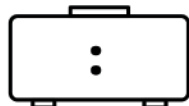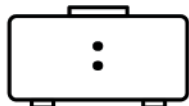
Complete these circles by multiplying the center number by each number around the circle.
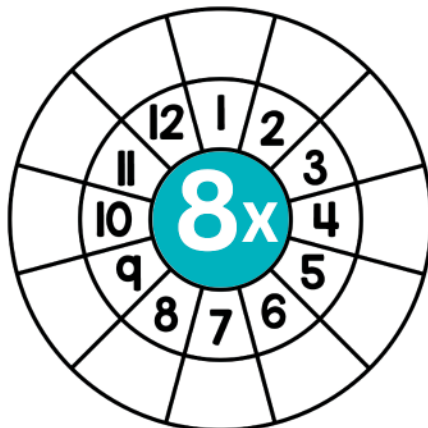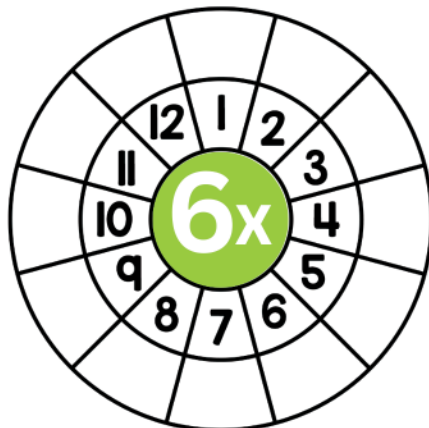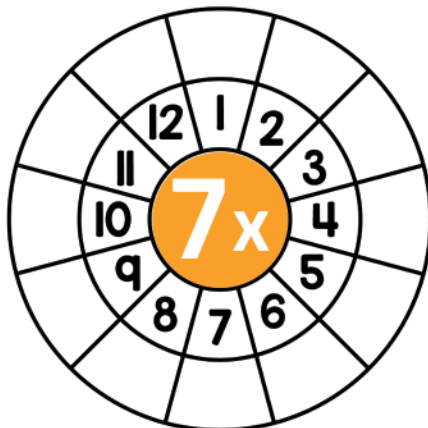
Date _____

Circle all of the groups of ONE DOLLAR. How many dollars are there? $ _____
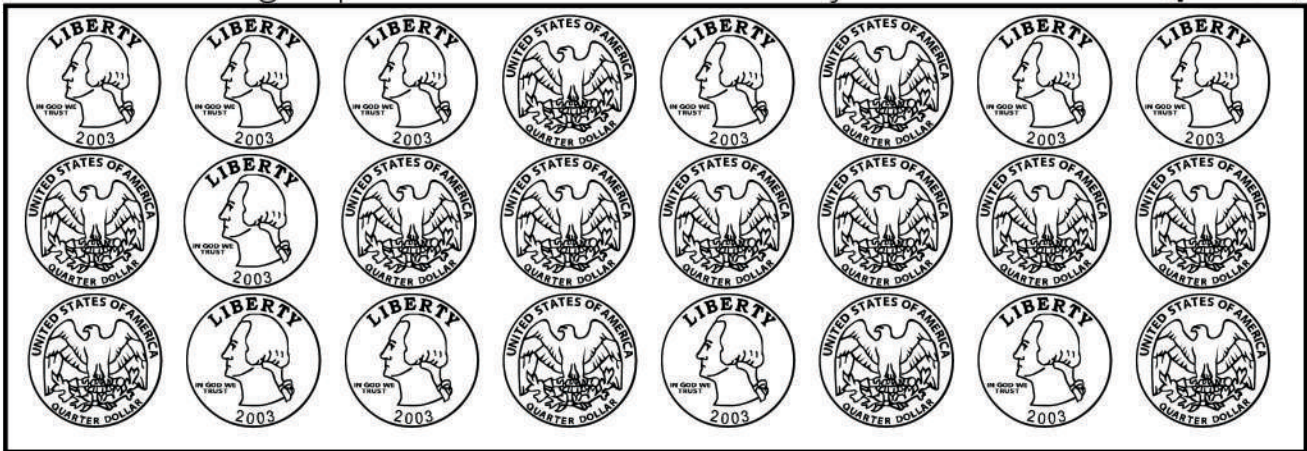
How many quarters is two dollars? Draw the quarters and write the number sentences.

_____ X _____ = _____
# of dollars # of quarters
in each dollar

How many quarters is three dollars? Draw the quarters and write the number sentences.

_____ X _____ = _____
# of dollars # of quarters
in each dollar

How many quarters is four dollars? Draw the quarters and write the number sentences.

_____ X _____ = _____
# of dollars # of quarters
in each dollar

Draw lines to match the fractions.

$$\frac{4}{5} \quad \frac{2}{2} \quad \frac{3}{5} \quad \frac{2}{3} \quad \frac{1}{2} \quad \frac{2}{6} \quad \frac{1}{3} \quad \frac{3}{4}$$
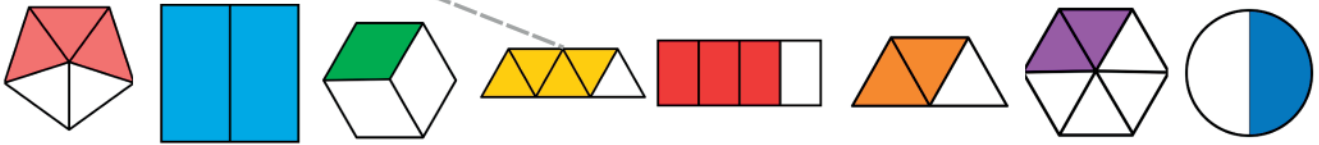
Fill in the missing numbers then color the boxes with ODD numbers yellow.

								105	

Find the product.

8 x 3 = ____

8 x 10 = ____

8 x 6 = ____

8 x 2 = ____

8 x 9 = ____

8 x 4 = ____

8 x 7 = ____

8 x 12 = ____

8 x 8 = ____

8 x 1 = ____

8 x 10 = ____

8 x 5 = ____

Find the product.

7 x 4 = ____

7 x 12 = ____

7 x 8 = ____

7 x 3 = ____

7 x 10 = ____

7 x 5 = ____

7 x 2 = ____

7 x 1 = ____

7 x 7 = ____

7 x 6 = ____

7 x 11 = ____

7 x 9 = ____

Find the quotient.

84 ÷ 7 = ___

7 ÷ 7 = ___

77 ÷ 7 = ___

14 ÷ 7 = ___

42 ÷ 7 = ___

56 ÷ 7 = ___

70 ÷ 7 = ___

21 ÷ 7 = ___

63 ÷ 7 = ___

28 ÷ 7 = ___

49 ÷ 7 = ___

35 ÷ 7 = ___

108

Date _____

How much money is this?

$____ . ____
dollars   cents

$____ . ____
dollars   cents

$____ . ____
dollars   cents

Draw lines to match the amounts in the top and bottom rows of squares.

$2.22	$2.41	$1.25	$2.33	$5.26
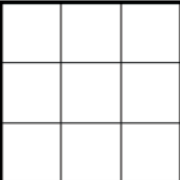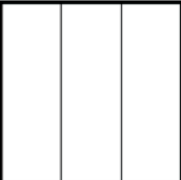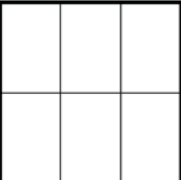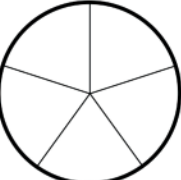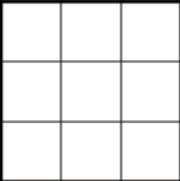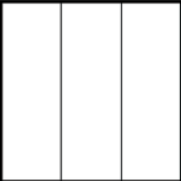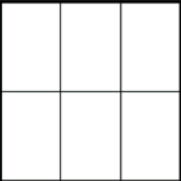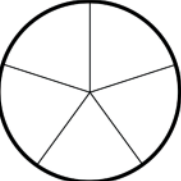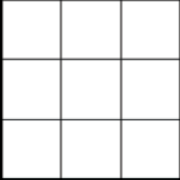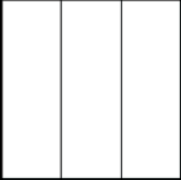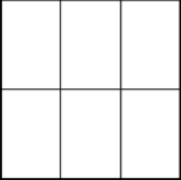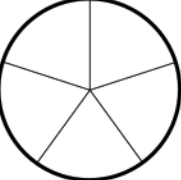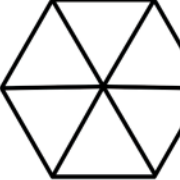
Fill in each square with factors such that the product of each set of factors, horizontally and vertically, are correct.

8		24
		8
32	6	

8		40
		27
72	15	

8		64
		28
56	32	
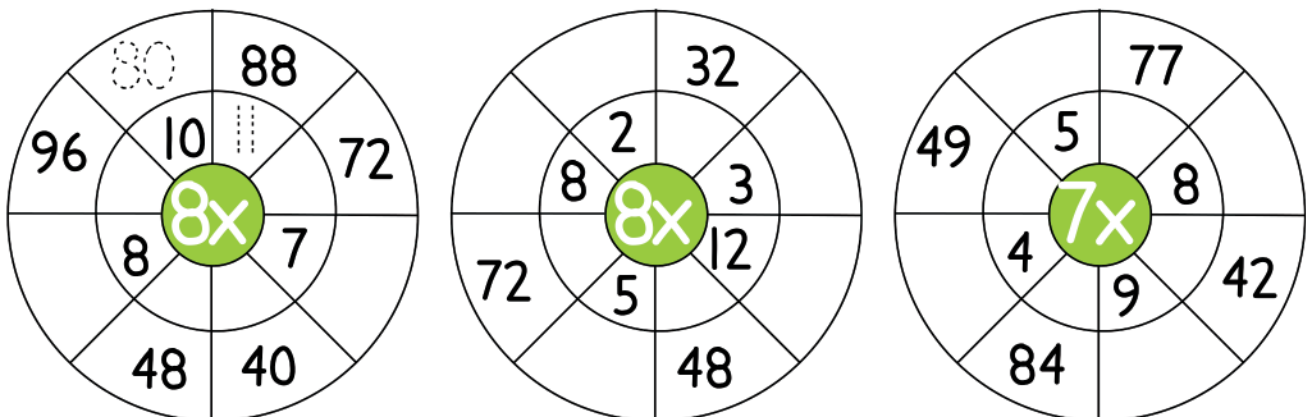
Color $2\frac{3}{9}$	Color $2\frac{1}{3}$	Color $2\frac{2}{6}$	Color $1\frac{1}{5}$	Color $2\frac{3}{6}$

Complete these circles by multiplying the center number by each number around the circle.

Fill in the blanks of these multiplication circles so that the outer circle is the PRODUCT of the middle circle and the innermost circle.

Date _____

Find the sums.

```
  1 1 7          1 5 6          2 9 7          3 8 5
  1 0 7          2 0 7          1 1 5          2 3 3
+ 1 8 3        + 1 4 3        + 2 0 5        + 2 3 5
```

```
  5 2 5          1 3 9          2 7 1          3 5 8
  2 0 5          4 9 1          5 4 6          4 1 9
+ 3 9 4        + 2 5 6        + 3 2 6        + 2 3 1
```

Color the coins needed to buy each toy.

$2.09

$2.89

111

Find the products.

8 x 8 = ____

8 x 6 = ____

8 x 1 = ___

8 x 5 = ____

8 x 7 = ____

8 x 2 = ___

8 x 11 = ___

8 x 10 = ____

8 x 4 = ___

8 x 12 = ___

8 x 3 = ____

8 x 9 = ____

7 x 6 = ___

7 x 12 = ___

7 x 1 = ___

7 x 5 = ___

7 x 11 = ___

7 x 4 = ___

7 x 7 = ___

7 x 1 = ___

7 x 3 = ___

7 x 8 = ___

7 x 9 = ___

7 x 10 = ___

Find the quotients.

49 ÷ 7 = __

64 ÷ 8 = __

84 ÷ 7 = __

72 ÷ 8 = __

42 ÷ 7 = __

56 ÷ 7 = __

88 ÷ 8 = __

48 ÷ 8 = __

63 ÷ 7 = __

28 ÷ 7 = __

56 ÷ 8 = __

96 ÷ 8 = __

Complete these Fact Family houses.

32 — 4 — 8
__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

64 — 8 — 8
__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

40 — 8 — 5
__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

24 — 8 — 3
__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

56 — 8 — 7
__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

72 — 9 — 8
__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

48 — 8 — 6
__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

96 — 8 — 12
__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

Date _____

Round to the nearest TEN:

35 __40__   47 ____   8 ____

17 ____   22 ____   12 ____

41 ____   15 ____   4 ____

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
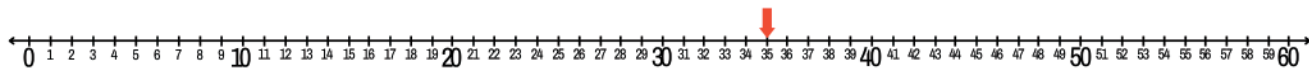
Multiply

ten thousands	thousands	hundreds	tens	ones
			7	5
		7	5	0
	7	5	0	0
7	5	0	0	0

$75 \times 1 =$

$75 \times 10 =$

$75 \times 100 =$

$75 \times 1000 =$

$21 \times 1 =$

$21 \times 10 =$

$21 \times 100 =$

$21 \times 1000 =$

$13 \times 1 =$

$13 \times 10 =$

$13 \times 100 =$

$13 \times 1000 =$

$42 \times 1 =$

$42 \times 10 =$

$42 \times 100 =$

$42 \times 1000 =$

Fill in each square with factors such that the product of each set of factors, horizontally and vertically, are correct.

8		24
		12
48	6	

8		8
		28
32	7	

8		72
		50
80	45	

8		40
		42
56	30	

8		64
		24
48	32	

8		32
		45
40	36	

113

Find the sums.

```
  101          193          219          135
  216          137          112          203
+ 154        + 185        + 225        + 265
─────        ─────        ─────        ─────
```

```
  966          511          724          371
  308          199          178          519
+ 254        + 326        + 306        + 282
─────        ─────        ─────        ─────
```

Find the differences.

```
  87    | tens | ones      53    | tens | ones      56    | tens | ones      80    | tens | ones
- 21    |      |         - 26    |      |         - 19    |      |         - 41    |      |
─────   |      |         ─────   |      |         ─────   |      |         ─────   |      |
```

Color the MIXED NUMBER in each colored rectangle. Then draw an arrow that color pointing to that mixed number on the number line below.

Color $4\frac{1}{4}$ Color $2\frac{3}{4}$ Color 1 Color $2\frac{1}{4}$ Color $3\frac{2}{4}$ Color 2 Color $1\frac{2}{4}$

Number line:
0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ **1** $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ **2** $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ **3** $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ **4** $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ **5**

114
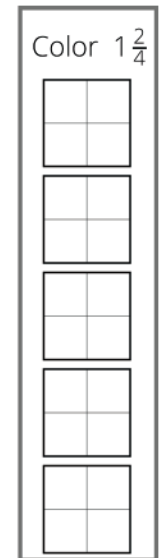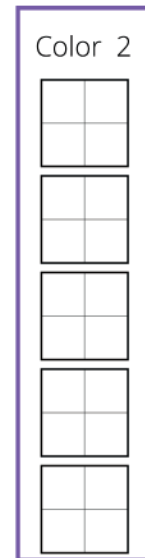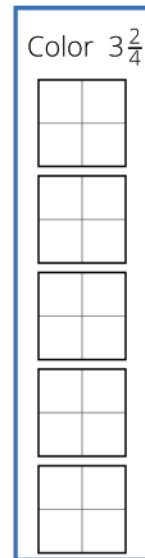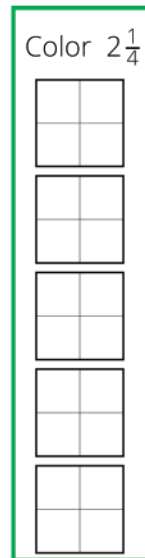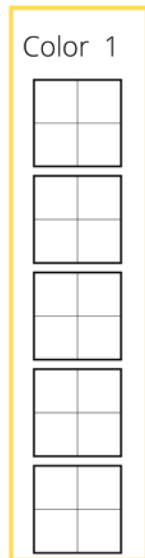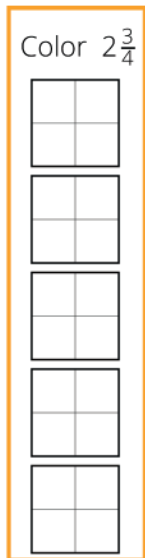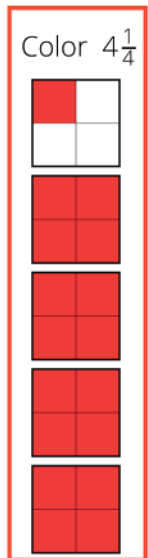
Date _____

Round to the nearest TEN.

Steps:
1. Circle the digit in the TENS place (your critical digit).
2. Look at the digit in the ONES place. If it's 4 or less let your critical digit rest. If it's 5 or more, let your critical digit soar.
3. Vanquish the digit in the ONES place.

Four or less? Let it rest.
Five or more? Let it soar.

⑦5 _80_
Five or more? Let the 7 soar (round UP).

③2 _30_
Four or less? Let the 3 rest.

⑥8 _70_
Five or more? Let the 6 soar (round UP).

16 _____   37 _____   53 _____
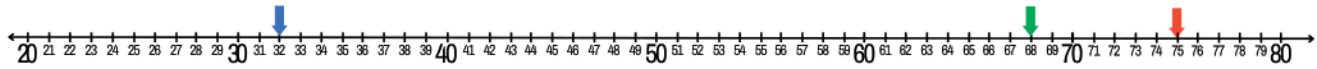
12 _____   21 _____   65 _____

15 _____   45 _____   58 _____

20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

Round to the nearest HUNDRED.

Steps:
1. Circle the digit in the HUNDREDS place (your critical digit).
2. Look at the digit in the TENS place. If it's 4 or less let your critical digit rest. If it's 5 or more, let your critical digit soar.
3. Vanquish the digits to the right of the critical digit.

Four or less? Let it rest.
Five or more? Let it soar.

①55 _200_
Five or more? Let the 1 soar (round UP).

③12 _300_
Four or less? Let the 3 rest.

④88 _500_
Five or more? Let the 5 soar (round UP).

564 _____   675 _____   353_____

421 _____   231 _____   649_____

115 _____   254 _____   528_____

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680 690 700

Complete these Fact Family houses.

64	48	40	56
8 8	8 6	5 8	8 7

___ x ___ = ___   ___ x ___ = ___   ___ x ___ = ___   ___ x ___ = ___
___ x ___ = ___   ___ x ___ = ___   ___ x ___ = ___   ___ x ___ = ___
___ ÷ ___ = ___   ___ ÷ ___ = ___   ___ ÷ ___ = ___   ___ ÷ ___ = ___
___ ÷ ___ = ___   ___ ÷ ___ = ___   ___ ÷ ___ = ___   ___ ÷ ___ = ___

115

Draw lines to match the amounts in the top and bottom rows of squares.

$1.11	$3.70	$3.83	$2.54	$5.25

Number each clock face, then draw the hands to show:

Half past eleven	Quarter before twelve	Twelve o'clock
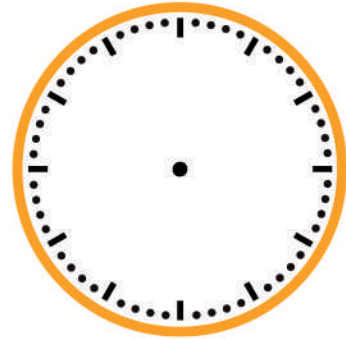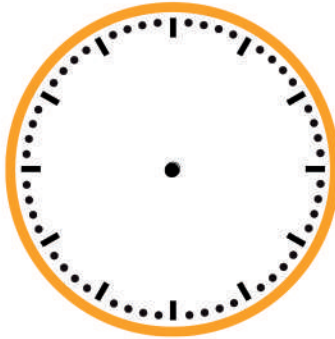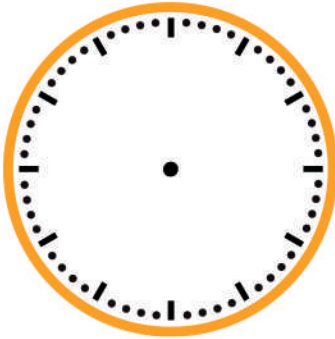
You have 16 juice boxes to share with 3 friends. Draw the boxes and write a number sentence.

remainder

$16 \div 3 = \underline{\hspace{1cm}} R \underline{\hspace{1cm}}$
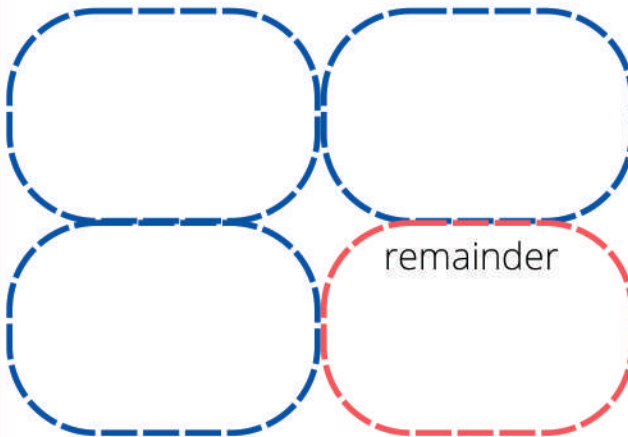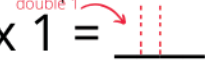
You want to share 19 apples between 4 friends friends. Draw the apples and write a number sentence.

remainder

$19 \div 4 = \underline{\hspace{1cm}} R \underline{\hspace{1cm}}$

Date _____

Find the products.

11 x 1 = __11__ (double 1)

11 x 2 = __22__ (double 2)

11 x 3 = __33__ (double 3)

11 x 4 = ____ (double 4)

11 x 5 = ____ (double 5)

11 x 6 = ____ (double 6)

11 x 7 = ____ (double 7)

11 x 8 = ____ (double 8)

11 x 9 = ____ (double 9)

11 x 10 = __110__ (1+0)

11 x 11 = __121__ (1+1)

11 x 12 = __132__ (1+2)

8 x 6 = ____

8 x 12 = ____

8 x 1 = ____

8 x 5 = ____

8 x 7 = ____

8 x 11 = ____

8 x 4 = ____

8 x 8 = ____

8 x 3 = ____

8 x 10 = ____

8 x 9 = ____

8 x 2 = ____

Find the quotients.

48 ÷ 8 = __

80 ÷ 8 = __

16 ÷ 8 = __

64 ÷ 8 = __

56 ÷ 8 = __

32 ÷ 8 = __

88 ÷ 8 = __

8 ÷ 8 = __
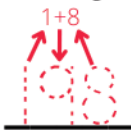
24 ÷ 8 = __

96 ÷ 8 = __
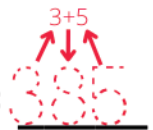
72 ÷ 8 = __

40 ÷ 8 = __

When you multiply a 2-digit number by eleven, split apart the digits of the 2-digit number, add them together, then insert the SUM between the digits.

11 x 18 = __198__ (1+8)   11 x 23 = __253__ (2+3)   11 x 35 = __385__ (3+5)
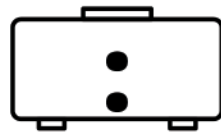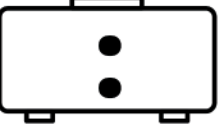
11 x 72 = ____   11 x 45 = ____   11 x 61 = ____

Think of QUARTER BEFORE a time as moving the hands BACKWARD 15 minutes.

Show six o'clock on these clocks.	Show **quarter before six** on these clocks.

117

Complete these circles by multiplying the center number by each number around the circle.
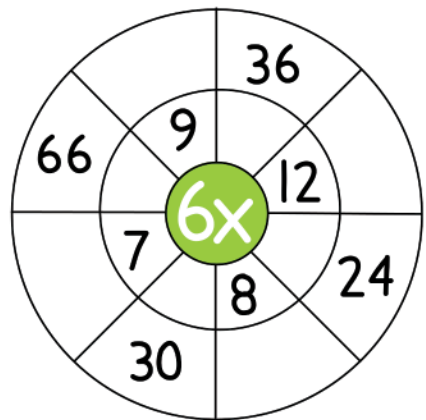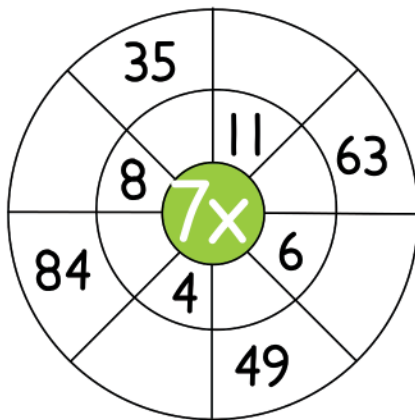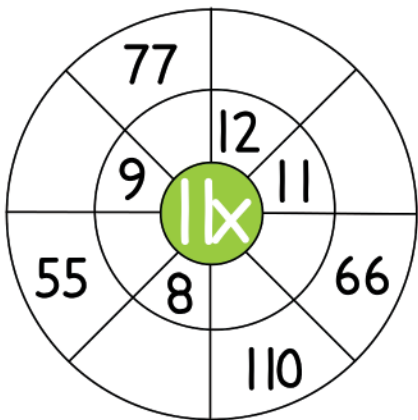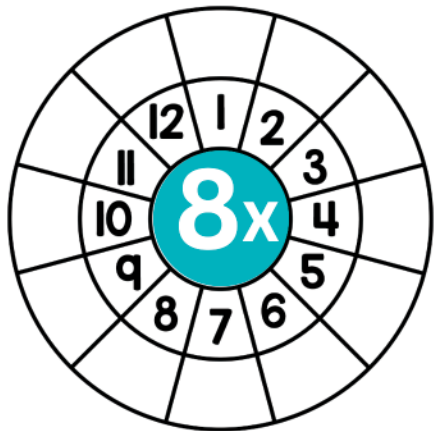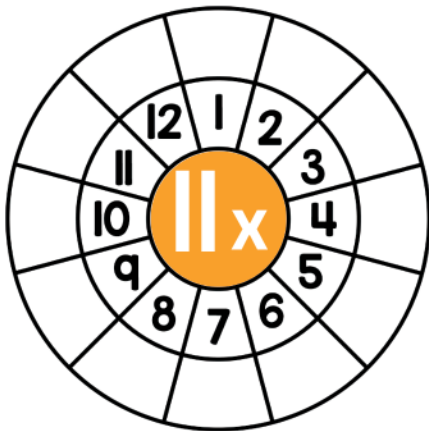
Round to the nearest TEN.

45 ~~50~~
Five or more? Let the 4 soar (round UP).

78 ~~80~~
Five or more? Let the 7 soar (round UP).

64 ~~60~~
Four or less? Let the 6 rest.

25 _____   37 _____   68 _____

49 _____   13 _____   35 _____

65 _____   55 _____   51 _____
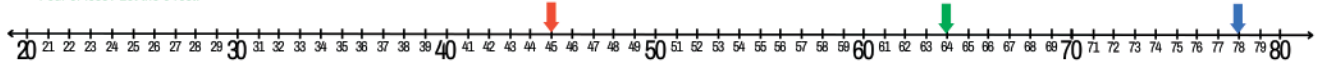
Round to the nearest HUNDRED.

345 ~~300~~
Four or less? Let the 3 rest.

128 ~~100~~
Four or less? Let the 1 rest.

451 ~~500~~
Five or more? Let the 4 soar (round UP).

199 _____   275 _____   653_____

245 _____   131 _____   659_____

354 _____   654 _____   588_____
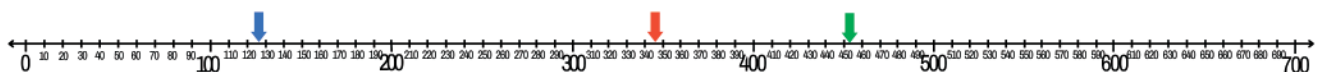
Date _____

Place the correct comparison symbol (<, >, =) in the circle between each set of shapes. Then write the fraction on top of each shape.
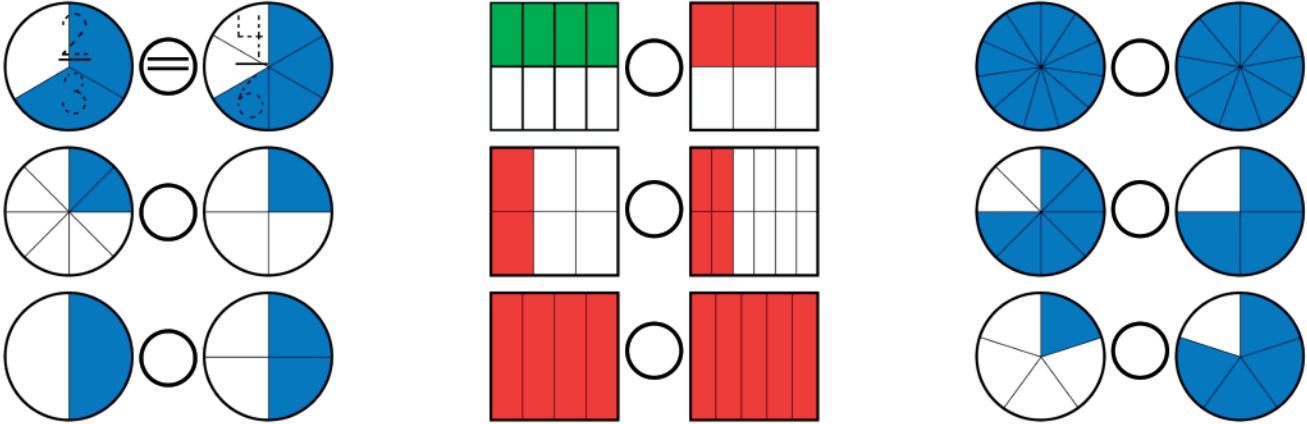
Fill in the missing numbers to make each number sentence correct.

$$\frac{2}{3} = \frac{\square}{6} \qquad \frac{1}{2} = \frac{\square}{8} \qquad \frac{3}{3} = \frac{\square}{6} \qquad \frac{1}{2} = \frac{\square}{4}$$

$$\frac{1}{2} = \frac{\square}{6} \qquad \frac{1}{3} = \frac{\square}{6} \qquad \frac{1}{2} = \frac{\square}{10} \qquad \frac{2}{2} = \frac{\square}{4}$$

$$\frac{5}{5} = \frac{\square}{8} \qquad \frac{4}{8} = \frac{\square}{4} \qquad \frac{3}{4} = \frac{\square}{8} \qquad \frac{3}{6} = \frac{\square}{2}$$

Fill in each square with factors such that the product of each set of factors, horizontally and vertically, are correct.

Use the clues to solve these fraction riddles and draw each mixed number.
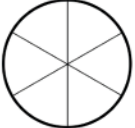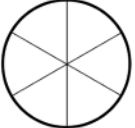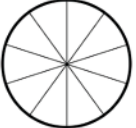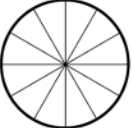
• I am less than two. • I am more than one. • I am equal to three halves. Example	• I am more than three. • I am less than four. • I am equal to seven halves.
• I am more than two. • I am less than three. • I am equal to nine fourths (draw three circles and divide them in fourths, color nine fourths).	• I am more than one. • I am less than three. • I have an even number of wholes. • I have an odd number of halves.

Complete these Fact Family houses.

56
8   7

__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

24
3   8

__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

72
9   8

__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

48
8   6

__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

32
4   8

__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

96
8   12

__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

63
7   9

__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

40
8   5

__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

Date _____

Color pieces of each bottom shape so it matches the top shape. Then write each equivalent fractions number sentence.

$$\frac{1}{3} = \boxed{} \qquad \frac{1}{2} = \boxed{} \qquad \frac{2}{5} = \boxed{} \qquad \frac{1}{4} = \boxed{}$$

Use the Butterfly Method to check these number sentences. If they are incorrect, cross them out with a large, red X.

$$\frac{2}{4} = \frac{3}{6} \qquad \frac{1}{2} = \frac{4}{8} \qquad \frac{2}{3} = \frac{3}{6} \qquad \frac{2}{5} = \frac{6}{10}$$

$$\frac{1}{4} = \frac{2}{6} \qquad \frac{1}{3} = \frac{2}{6} \qquad \frac{1}{2} = \frac{5}{10} \qquad \frac{2}{2} = \frac{1}{1}$$

Draw lines to partition each bar into the number specified by the denominator and shade each bar to match the numerator of the fraction in front of it. Then draw lines to match the equivalent fractions in both of the columns. Your partitions don't have to be perfect!

$$\frac{1}{2} \qquad \frac{2}{6}$$

$$\frac{1}{3} \qquad \frac{3}{3}$$

$$\frac{3}{4} \qquad \frac{3}{6}$$

$$\frac{1}{1} \qquad \frac{2}{5}$$

$$\frac{4}{10} \qquad \frac{6}{8}$$

Color pieces of each shape to match the fraction in front of it.

$\frac{1}{2}$ ◯ $\frac{2}{4}$ ◯ $\frac{3}{6}$ ◯ $\frac{4}{8}$ ◯ $\frac{5}{10}$ ◯ $\frac{6}{12}$ ◯

What do each of these fractions have in common?_____

You need 66 red m&m's to decorate a cake. If each bag has 11 red m&m's, how many bags do you need to buy? Draw the bags and write a number sentence. ___ X ___ = _____	I spent 2 hours reading every day last week. How many hours total did I spend reading? Draw the hours and write a number sentence. ___ X ___ = _____

Fill in the boxes with the missing addends.

$\begin{array}{r} \square\square \\ +15 \\ \hline 68 \end{array}$
$\begin{array}{r} \square\square \\ +20 \\ \hline 52 \end{array}$
$\begin{array}{r} 21 \\ +\square\square \\ \hline 83 \end{array}$
$\begin{array}{r} 24 \\ +\square\square \\ \hline 78 \end{array}$
$\begin{array}{r} \square\square \\ +12 \\ \hline 45 \end{array}$

$\begin{array}{r} 13 \\ +\square\square \\ \hline 36 \end{array}$
$\begin{array}{r} \square\square \\ +25 \\ \hline 58 \end{array}$
$\begin{array}{r} 17 \\ +\square\square \\ \hline 99 \end{array}$
$\begin{array}{r} 22 \\ +\square\square \\ \hline 84 \end{array}$
$\begin{array}{r} 19 \\ +\square\square \\ \hline 20 \end{array}$
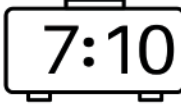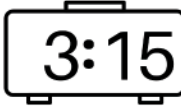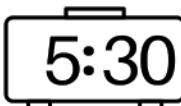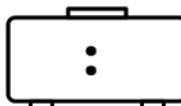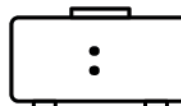
Use the clues to solve these fraction riddles and draw each mixed number.

• I am a mixed number between three and four. • My fraction part is one third.	• I'm a mixed number between five and seven. • My whole part is odd. • My fraction part is equivalent to 1/2 but with a denominator of four.

Date _____

How much time has elapsed between each set of clocks?

to ___10___ minutes	to _____ minutes
to _____ minutes	How many HOMES did the HOUR hand cross? to _____ hours
to _____ hour	to _____ hours
to _____ hours	to _____ hours

10 minutes earlier	5 minutes earlier	current time	5 minutes later	10 minutes later
7:00	7:05	**7:10**	7:15	7:20
:	:	**3:15**	:	:
:	:	**1:00**	:	:
:	:	**5:30**	:	:

How much money is this?

$___.___
dollars   cents

$___.___
dollars   cents

$___.___
dollars   cents

Complete these Fact Family houses.

121
11   11

__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

72
8   9

__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

56
7   8

__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

48
8   6

__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

Color the coins needed to buy each item.

$2.89

$2.50

Date _____

How much time has elapsed?

time	hours	minutes
8:05		
9:00		
10:00		
10:35		

_____ hours and _____ minutes

time	hours	minutes
3:30		
9:00		

_____ hours and _____ minutes

time	hours	minutes
12:23		
4:05		

_____ hours and _____ minutes

time	hours	minutes
7:48		
10:04		

_____ hours and _____ minutes

Complete these circles by multiplying the center number by each number around the circle.

11x — 12 1 2 3 4 5 6 7 8 9 10 11

6x — 12 1 2 3 4 5 6 7 8 9 10 11

5x — 12 1 2 3 4 5 6 7 8 9 10 11
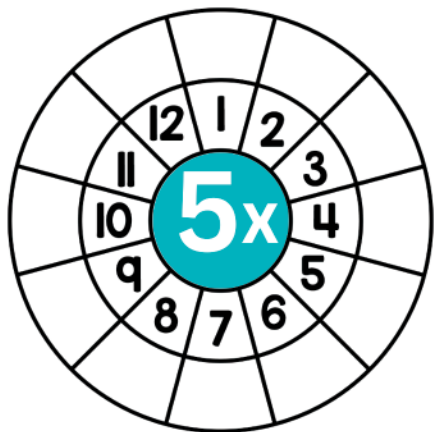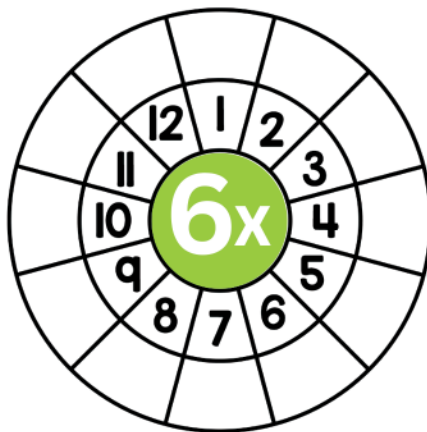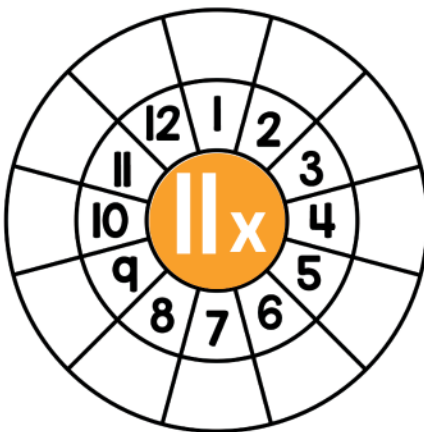
Fill in the missing numbers.

							204

Divide these mushrooms into 6 groups.
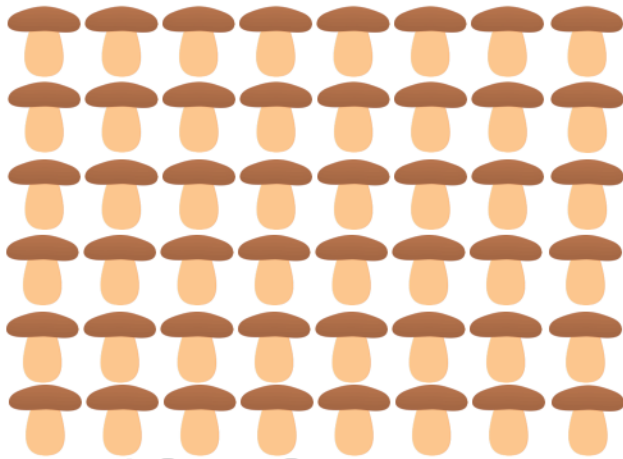
$48 \div 6 =$ ___

Divide these pumpkins into 4 groups.

$12 \div 4 =$ ___

You have 85 beads. You want to make them into 4 bracelets. Draw the beads and write a number sentence.

remainder
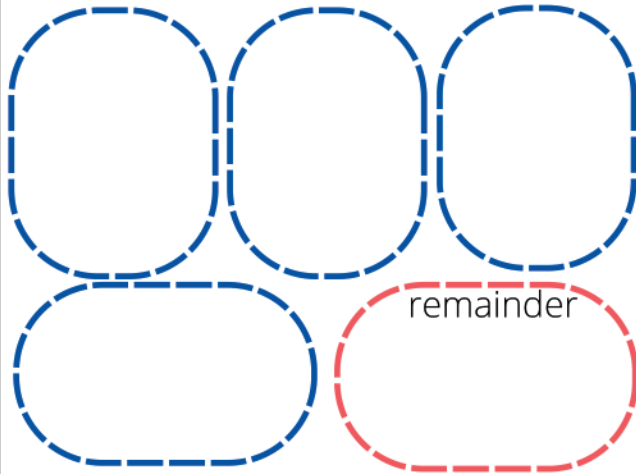
$85 \div 4 =$ ___ R ___

There are 35 crayons. You want to divide them into three boxes. Draw the crayons and write a number sentence.

remainder
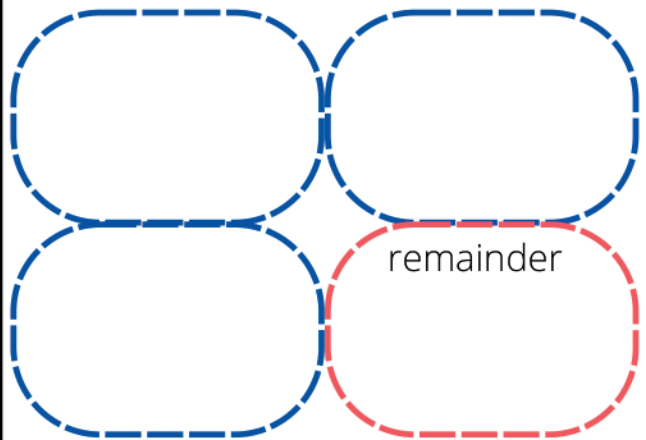
$35 \div 3 =$ ___ R ___

30 minutes earlier	15 minutes earlier	current time	15 minutes later	30 minutes later
4:45	5:00	5:15	5:30	5:45
		1:10		
		2:30		
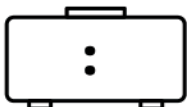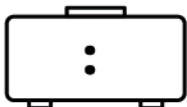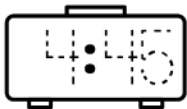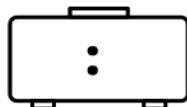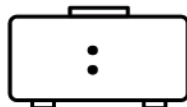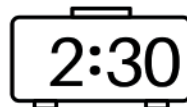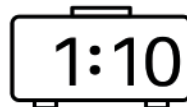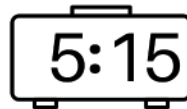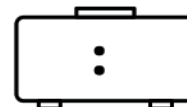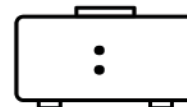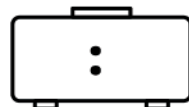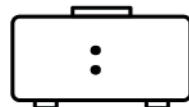
Draw lines to match each picture in the top row with the correct tool in the bottom row. Each tool has two matches.
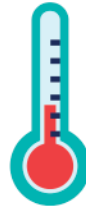
Fill in each square with factors such that the product of each set of factors, horizontally and vertically, are correct.

11		33
		14
77	6	

11		55
		6
22	15	

11		99
		48
88	54	

11		66
		15
33	30	

11		88
		54
66	72	

11		22
		44
121	8	

11		77
		63
99	49	

11		33
		50
55	30	

11		110
		32
44	80	

Color the MIXED NUMBER in each colored rectangle. Then draw an arrow that color pointing to that mixed number on the number line below.

| Color $3\frac{3}{4}$ | Color $1\frac{3}{4}$ | Color $3\frac{2}{4}$ | Color $2\frac{2}{4}$ | Color $2\frac{1}{4}$ | Color 5 | Color $1\frac{1}{4}$ |

Number line: 0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 2 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 3 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 4 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 5

Find the products.

11 x 8 = _____

11 x 6 = _____

11 x 1 = _____

11 x 5 = _____

11 x 7 = _____

11 x 2 = _____

11 x 11 = _____

11 x 10 = _____

11 x 4 = _____

11 x 12 = _____

11 x 3 = _____

11 x 9 = _____

8 x 6 = _____

8 x 12 = _____

7 x 8 = _____

8 x 6 = _____

7 x 12 = _____

8 x 9 = _____

7 x 7 = _____

8 x 7 = _____

7 x 3 = _____

8 x 8 = _____

7 x 9 = _____

7 x 6 = _____

Find the quotients.

77÷11 = ___

55÷11 = ___

132÷11 = ___

22÷11 = ___

99÷11 = ___

11÷11 = ___

88÷11 = ___

110÷11 = ___

44÷11 = ___

66÷11 = ___

121÷11 = ___

33÷11 = ___

Date _____

Write each temperature using both degrees fahrenheit and celsius.

| °F | °C | °F | °C | °F | °C | °F | °C | °F | °C | °F | °C |
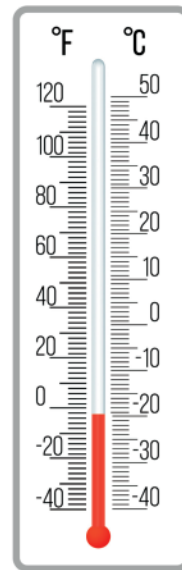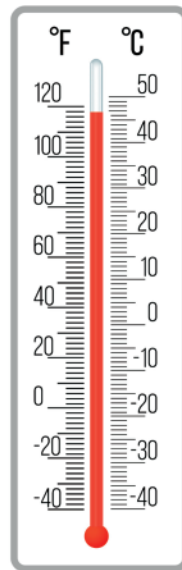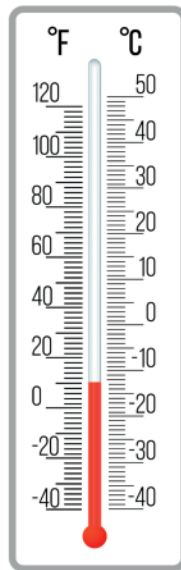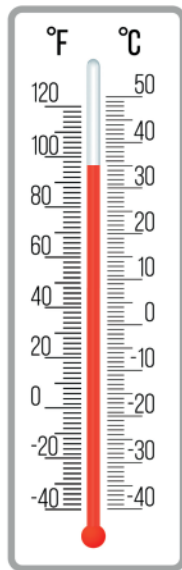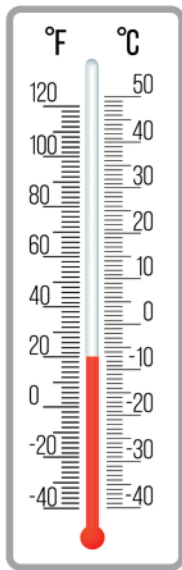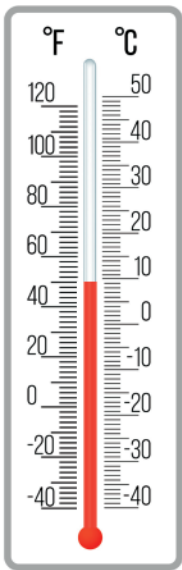
50°F   __ __   __ __   __ __   __ __   __ __

9°C   __ __   __ __   __ __   __ __   __ __

All quadrilaterals have FOUR sides. Write each quadrilateral term twice.

square _____

rectangle _____

rhombus _____

trapezoid _____
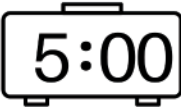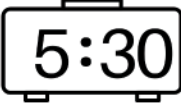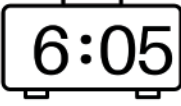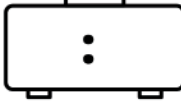
parallelogram _____

How much time has elapsed between each set of clocks?
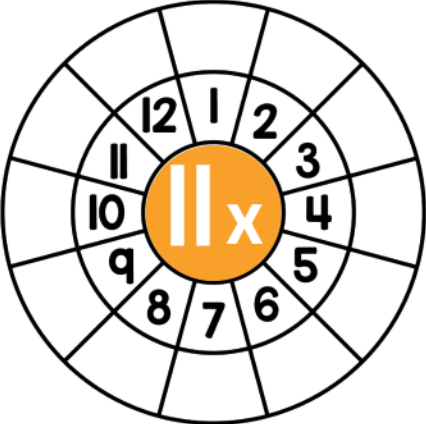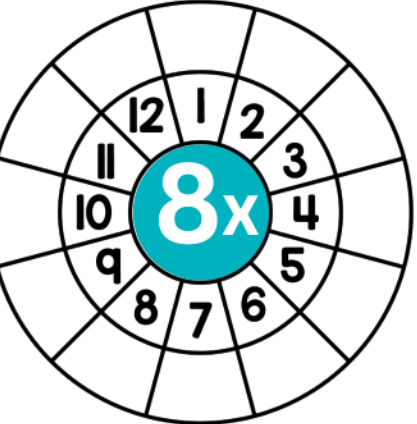
to **35** minutes

to _____ minutes

to _____ minutes

How many HOMES did the HOUR hand cross?

to _____ hours

to _____ hours

to _____ hours

Time Passes:

5:00 → add 15 min. → 5:15 → add 15 min. → 5:30

5:30 → add 10 min. → : → add 25 min. → :

6:05 → add 30 min. → : → add 21 min. → :

Complete these circles by multiplying the center number by each number around the circle.

11x

9x

8x

Date _____

Find the weight of each item.

____ lb ____ oz   ____ lb ____ oz   ____ lb ____ oz   ____ lb ____ oz
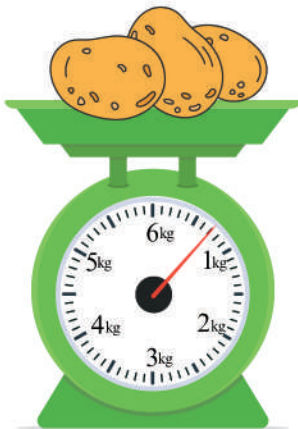
____ kg ____ g   ____ kg ____ g   ____ kg ____ g   ____ kg ____ g

Draw the pointer on each scale to match the weight of these items.

1 lb 6 oz   3 lb 2 oz   1 kg 500 g   0 kg 300 g

131
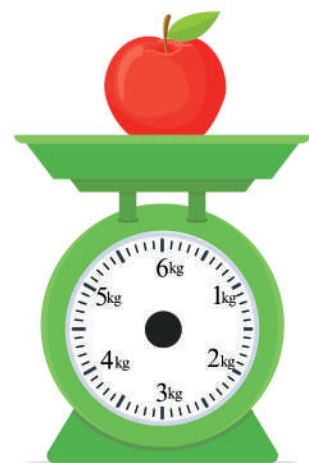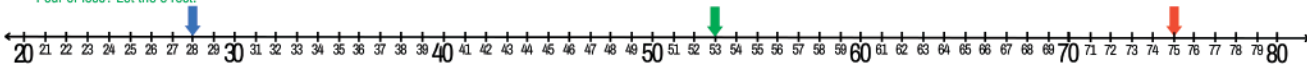
Draw lines to match the polygons across all three columns.

5 sides   Hexagon

4 sides   Pentagon

10 sides   Octagon

9 sides   Triangle

6 sides   Nonagon

8 sides   Decagon

7 sides   Quadrilateral

3 sides   Heptagon
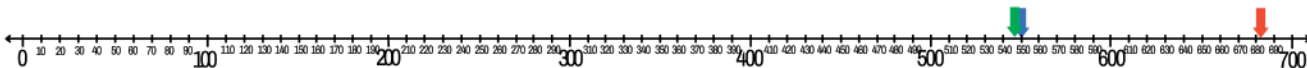
Round to the nearest TEN.

⑦5 _80_   55 _____   17 _____   42 _____
Five or more? Let the 7 soar (round UP).

②8 _30_   31 _____   33 _____   79 _____
Five or more? Let the 2 soar (round UP).

⑤3 _50_   25 _____   35 _____   45 _____
Four or less? Let the 5 rest.

20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

Round to the nearest HUNDRED.

⑥91 _700_   305 _____   215 _____   97 _____
Five or more? Let the 6 soar (round UP).

⑤50 _600_   746 _____   789 _____   629 _____
Five or more? Let the 5 soar (round UP).

⑤49 _500_   155 _____   614 _____   397 _____
Four or less? Let the 5 rest.

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680 690 700

Date _____

What length are the following items? Use inches and write the units.
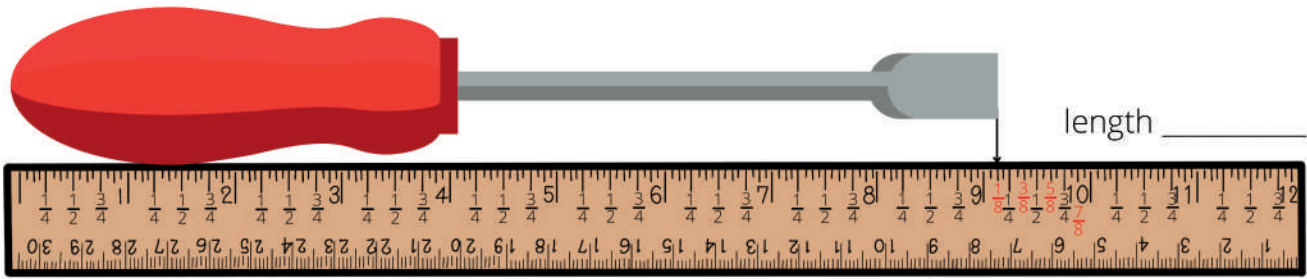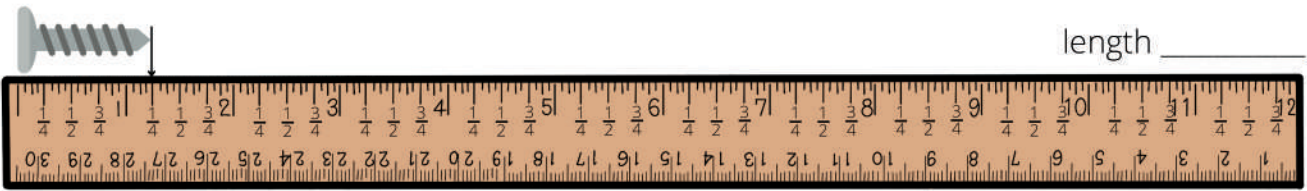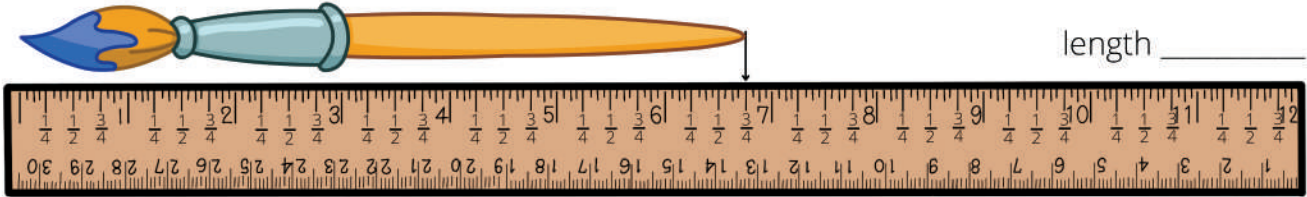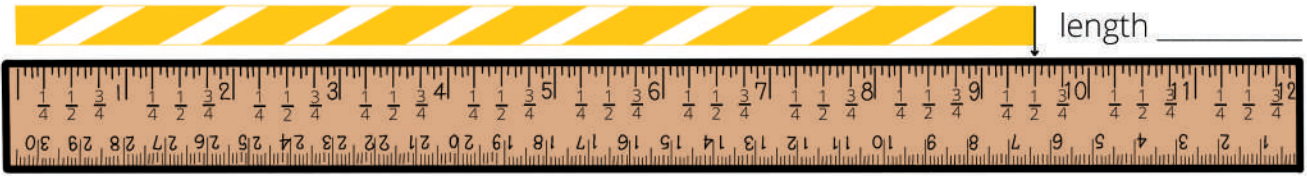
length _____

length _____

length _____

length _____

Sort out the jumbled up Greek prefixes then write the number of sides of a polygon each represents.

treat_____ tetra   four

heax_____

aedc_____

nnoa _____

peath_____

coat_____

tenpa_____

Finish drawing the insect around the line of symmetry.
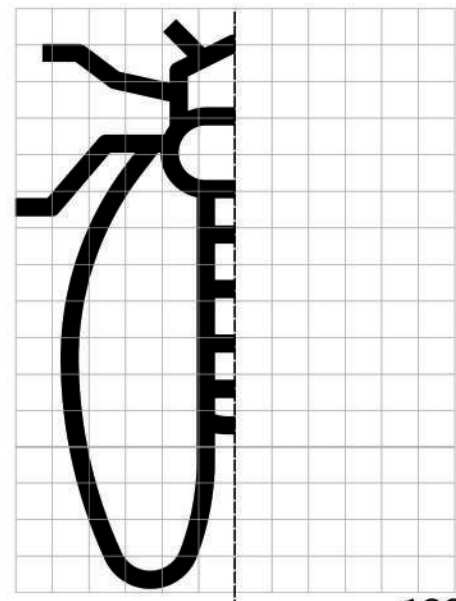
Use the butterfly method to find the missing numbers.
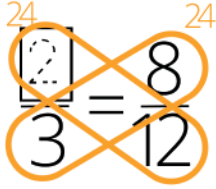
$$\frac{2}{3} = \frac{8}{12} \qquad \frac{1}{\square} = \frac{2}{8} \qquad \frac{4}{4} = \frac{\square}{5} \qquad \frac{1}{3} = \frac{4}{\square}$$

$$\frac{1}{2} = \frac{\square}{6} \qquad \frac{2}{3} = \frac{6}{\square} \qquad \frac{1}{\square} = \frac{2}{10} \qquad \frac{\square}{2} = \frac{2}{4}$$

$$\frac{8}{\square} = \frac{4}{5} \qquad \frac{\square}{3} = \frac{3}{9} \qquad \frac{3}{9} = \frac{4}{\square} \qquad \frac{3}{4} = \frac{\square}{8}$$

Color a red line to match the temperatures below each thermometer.
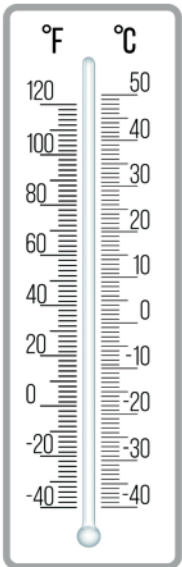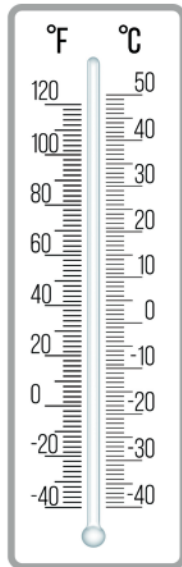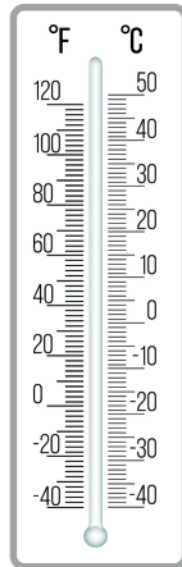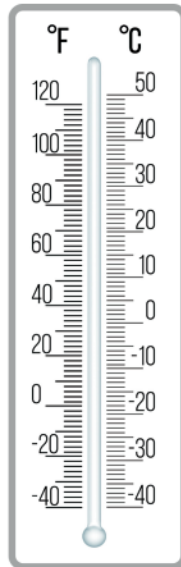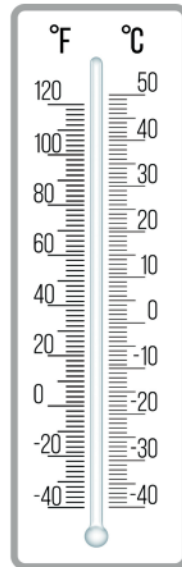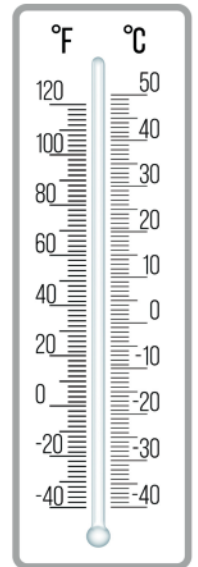
| 100°F | 0°F | 50°F | 20°F | 65°F | 88°F |
| 37°C | -18°C | 9°C | -7°C | 20°C | 30°C |

Fill in the missing numbers.

					503				
			511						

134

Date _____

Use these broken pieces of rulers to find the length of each model train car.
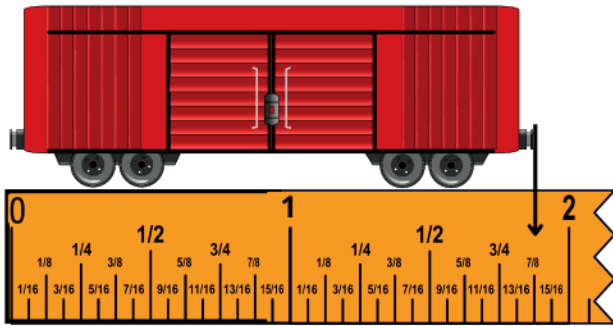
length _____ inches
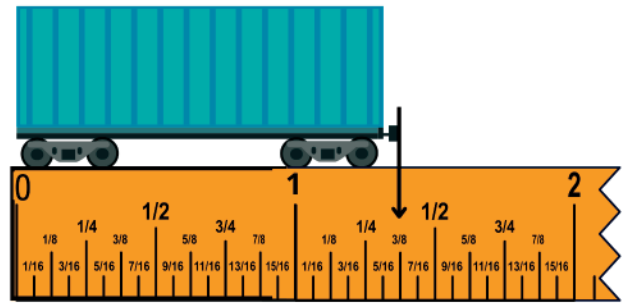
length _____ inches
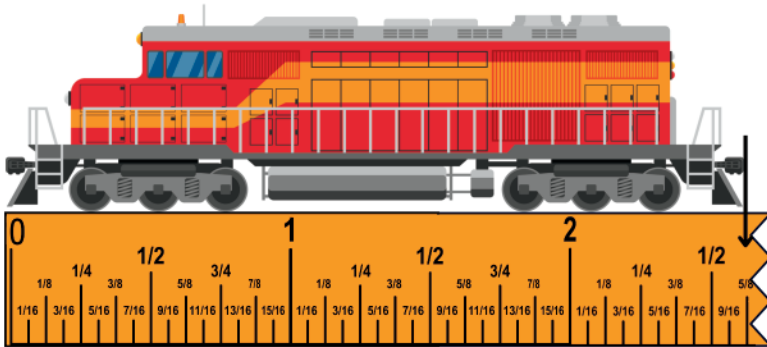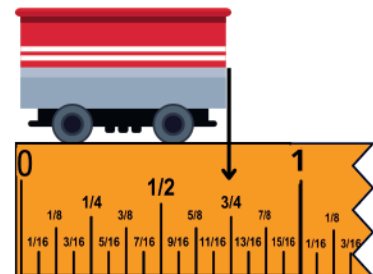
length _____ inches

length _____ inches
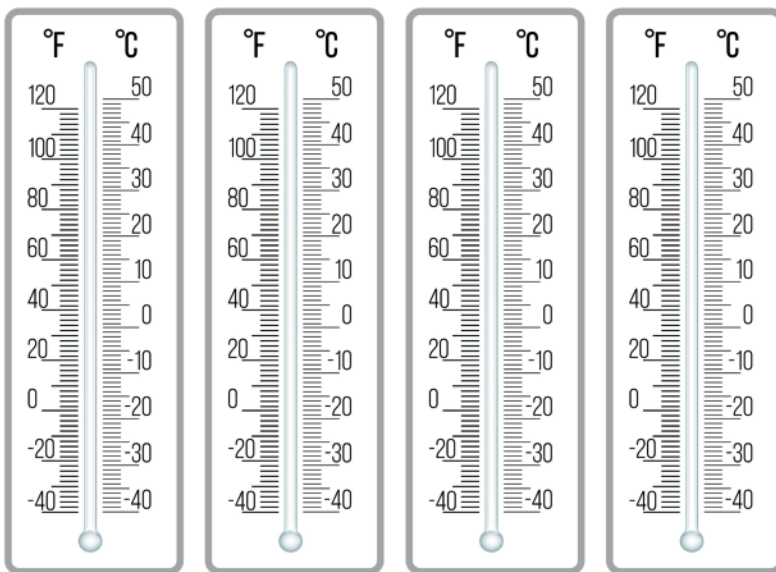
Run a thermometer under hot water, cold water and some in-between temperatures. Color the temperature on each thermometer and write the temperature of the water below each thermometer. Be sure to use units!
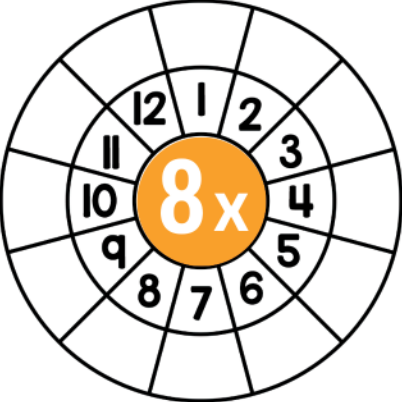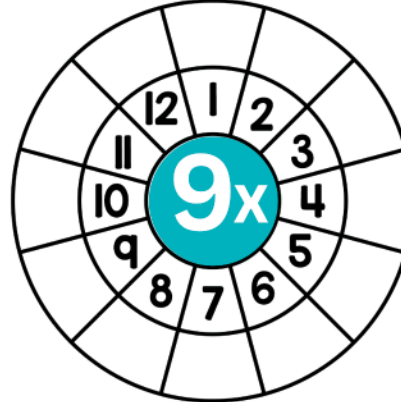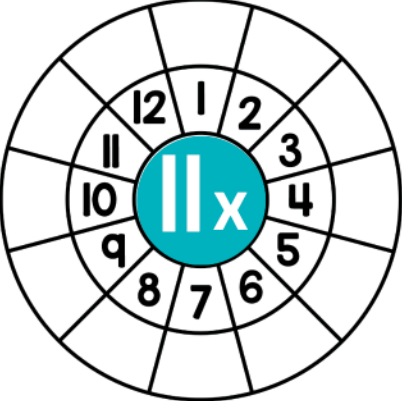
Fill in the missing numbers.

			301					

How much time has elapsed?

time	hours	minutes
9:01		
11:45		

_____ hours_____ minutes

time	hours	minutes
1:28		
5:41		

_____ hours_____ minutes

time	hours	minutes
11:05		
1:15		

_____ hours_____ minutes

time	hours	minutes
3:30		
8:35		

_____ hours_____ minutes

time	hours	minutes
2:32		
10:20		

_____ hours_____ minutes

time	hours	minutes
8:12		
11:00		

_____ hours_____ minutes

Complete these circles by multiplying the center number by each number around the circle.

8x

4x

9x

11x

3x

6x

Date _____

Find the products.

Count consecutive numbers down the left.
Even numbers down the right.

12 x 1 = 12

12 x 2 = 24

12 x 3 = 36

12 x 4 = 48

skip 5

12 x 5 = 60

12 x 6 = ____

12 x 7 = ____

12 x 8 = ____

12 x 9 = ____

skip 11

12 x 10 = ____

12 x 11 = ____

12 x 12 = ____

8 x 8 = ____

4 x 12 = ____

7 x 8 = ____

5 x 6 = ____

9 x 12 = ____

8 x 9 = ____

7 x 7 = ____

6 x 7 = ____

7 x 3 = ____

8 x 8 = ____

4 x 9 = ____

3 x 6 = ____

Find the quotients.

60 ÷ 12 = ___

96 ÷ 12 = ___

132 ÷ 12 = ___

36 ÷ 12 = ___

108 ÷ 12 = ___

24 ÷ 12 = ___

84 ÷ 12 = ___

144 ÷ 12 = ___

12 ÷ 12 = ___

72 ÷ 12 = ___

120 ÷ 12 = ___

48 ÷ 12 = ___

Find the weight of each item.

____ lb ____ oz

____ lb ____ oz

____ kg ____ g

____ kg ____ g

137

one less		one more	ten less		ten more	100 less		100 more
14	15	16	19	29	39	44	144	244
___	22	___	___	31	___	___	121	___
___	37	___	___	20	___	___	370	___
___	12	___	___	77	___	___	615	___
___	49	___	___	33	___	___	128	___
___	51	___	___	28	___	___	712	___

You want to give 5 of your friends 2 cups of juice each. How much juice will you use?

_____ x _____ = _____

I bought 8 pints of soup. If each bowl holds one cup, how many bowls can I fill?

_____ x _____ = _____

Draw lines to match each shape to its name.

trapezoid   octagon   square   parallelogram   hexagon   rhombus   rectangle

How much money is this?

$____ . ____
dollars   cents

$____ . ____
dollars   cents

$____ . ____
dollars   cents

$____ . ____
dollars   cents

$____ . ____
dollars   cents

Capacity Containers:

1. Color the container that holds the MOST red.
2. Color the container that holds the LEAST blue.
3. This container holds four cups. Color it yellow.
4. This container can fit into the yellow tool twice. Color it purple.
5. Color the container that holds two of the blue container orange.
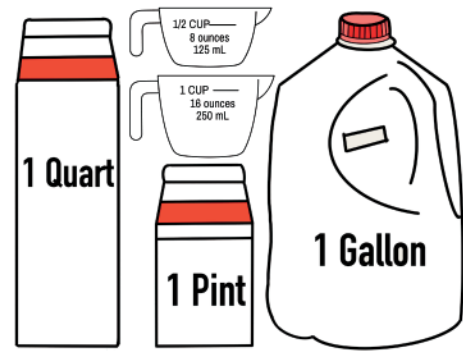
Not your cup of tea:

Use capacity measuring tools and containers from your kitchen to figure out the following equivelancies.

1 quart = _____ cups

1 gallon = _____ quarts

1 cup = _____ fourth cups

1 pint = _____ cups

2 pints = _____ half cups

1 cup = _____ third cups

12 cups = _____ quarts

8 quarts = _____ gallons

8 half cups = _____ cups

3 cups = _____ half cups

A spoonful of sugar:

Use capacity measuring tools and containers from your kitchen to figure out the following equivelancies.

1 tablespoon = _____ teaspoons

3 tablespoons = _____ teaspoons

1 teaspoon = _____ half teaspoons

1 tablespoon = _____ teaspoons

3 tablespoons = _____ teaspoons

1 teaspoon = _____ half teaspoons

A half-baked plan:

Find 3 recipes that use cups, fractions of cups, tablespoons and teaspoons. Write the name of each recipe below.

1. _____

2. _____

3. _____

Capacity comparisons:

Write the correct comparison symbol (<, >, =) between each set of capacity measurements. Remember the shark always wants to eat the LARGER amount.

1 Gallon ◯ 1 Quart 1 Quart 1 Quart

1 Pint 1 Pint 1 Pint 1 Pint ◯ 1 Gallon

1 CUP 1 CUP ◯ 1 Pint

1 Quart ◯ (measuring cups)

1 Quart 1 Quart ◯ (measuring cups)

(measuring cups) ◯ 1 Quart

(measuring spoons) ◯ 1 teaspoon 1 teaspoon 1 teaspoon

(measuring cups) ◯ (measuring cup)

(measuring cups) ◯ 1 Pint
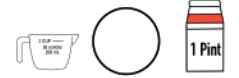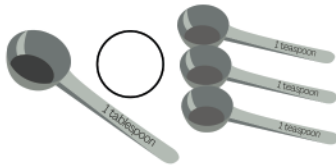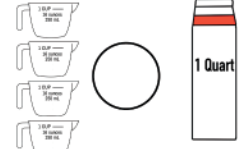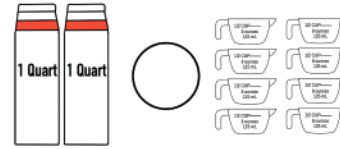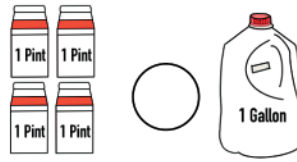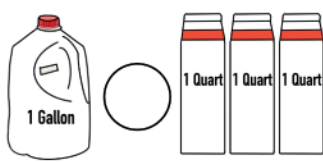
How many cups fit in one gallon? _____   How many pints fit in one gallon? _____

How many cups fit in two gallons? _____   How many pints fit in two gallons? _____

Find the products. *Remember the TWELVES trick. Multiply by 10, multiply by 2 and add the products.*

6 x 10 = 60
6 x 2 = 12
add the products 72

12 x 6 = ___	8 x 7 = ___	6 x 9 = ___
12 x 7 = ___	5 x 12 = ___	6 x 8 = ___
12 x 5 = ___	7 x 6 = ___	7 x 8 = ___
12 x 4 = ___	5 x 5 = ___	5 x 8 = ___
12 x 8 = ___	9 x 5 = ___	4 x 4 = ___
12 x 1 = ___	8 x 8 = ___	8 x 9 = ___
12 x 12 = ___	3 x 8 = ___	7 x 7 = ___
12 x 10 = ___	6 x 6 = ___	3 x 9 = ___
12 x 9 = ___	4 x 9 = ___	5 x 6 = ___
12 x 2 = ___	7 x 7 = ___	4 x 9 = ___
12 x 11 = ___	4 x 11 = ___	4 x 5 = ___
12 x 3 = ___	3 x 3 = ___	5 x 8 = ___

Date _____

Have fun making some yummy snacks today!

Ice Cream

2 c. half and half
2 Tablespoons sugar
2 teaspoons vanilla extract
zip-top bags, quart and gallon
ice
rock salt

Muddy Buddies

1/4 c. butter
1/2 c. peanut butter
1 c. chocolate chips
1 teaspoon vanilla extract
9 c. chex cereal
zip-top gallon-sized bags
1 and 1/2 c. powdered sugar

Which capacity measurement tools did you use?

_____

_____

_____

Can you solve these fraction riddles? Circle the correct number.

I am more than ten. I'm a mixed number. My whole part is odd. My fraction part is divided into two parts.	I am less than double ten. My whole part is even. My fraction part is equal to one half.
$10 \qquad 11\frac{1}{2} \qquad 11\frac{1}{4}$ $9\frac{1}{2} \qquad 14\frac{1}{2} \qquad 12\frac{1}{2}$	$18\frac{3}{6} \qquad 20\frac{2}{4} \qquad 13\frac{4}{8}$ $16 \qquad 15\frac{3}{4} \qquad 10\frac{4}{5}$
I am less than double seven. I am more than double six. My fraction part is equal to one half.	I am less than half of twenty. I am not a mixed number. I am not odd.
$12\frac{3}{4} \qquad 14\frac{4}{8} \qquad 15\frac{3}{6}$ $11\frac{3}{6} \qquad 12\frac{2}{4} \qquad 13\frac{1}{3}$	$8\frac{3}{6} \qquad 8 \qquad 9\frac{4}{8}$ $12 \qquad 7\frac{2}{4} \qquad 9$

Fill in the missing numbers and color the squares with ODD numbers orange.

							802		

Date.
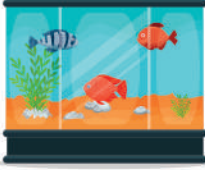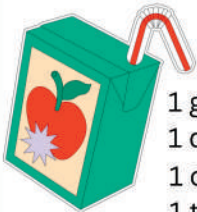
What length are the following items in inches and centimeters?
Remember to line each item up with ZERO inches or ZERO centimeters.

_____ cm.
_____ in.

_____ cm.
_____ in.
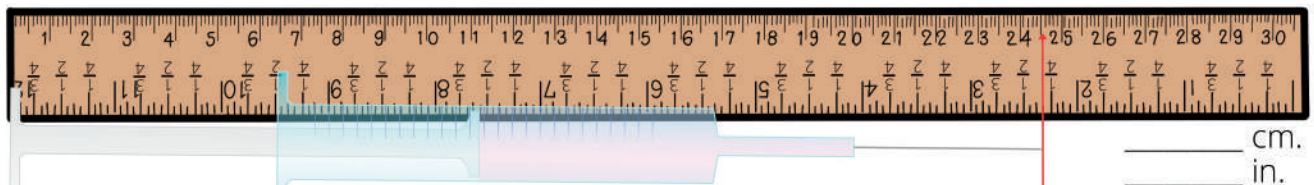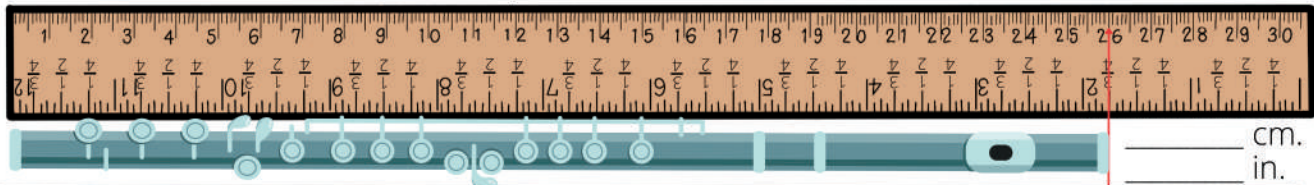
Draw 6 PAIRS of socks. How many socks are there? Write a number sentence using multiplication. Can you think of a nickname for the product?

_____

Circle the most likely estimate for the capacity measurement.

50 teaspoons 50 pints 50 gallons 50 cups	1 cup 1 teaspoon 1 gallon 1 pint	3 tablespoons 3 cups 3 gallons 3 quarts	1 tablespoon 1 teaspoon 1 gallon 1 cup
1 gallon 1 quart 1 cup 1 teaspoon	30 quarts 30 gallons 30 cups 30 pints	10 gallons 10 pints 10 teaspoons 10 quarts	1 gallon 1 quart 1 cup 1 teaspoon

142

Use your ruler to draw a 3 inch horizontal line, starting at the red dot. What is the length of your line in centimeters (use units)? _____

Find the sums and differences. Remember to regroup when needed!

41	35	12	24	18	56
- 12	+27	+13	+15	+17	- 13

31	24	33	82	57	44
- 15	+26	+38	- 24	- 32	+58

63	23	17	15	54	45
- 48	+43	+56	+15	- 35	- 37

Trace the existing numbers, fill in the missing numbers and color the squares with ODD numbers orange.

			484						
	503								

Complete these Fact Family houses.

132 / 12 / 11
__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

72 / 12 / 6
__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

84 / 7 / 12
__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

108 / 12 / 9
__ x __ = __
__ x __ = __
__ ÷ __ = __
__ ÷ __ = __

143

Date _____

Use the information from the line graph to answer the questions below.

Eric's Height
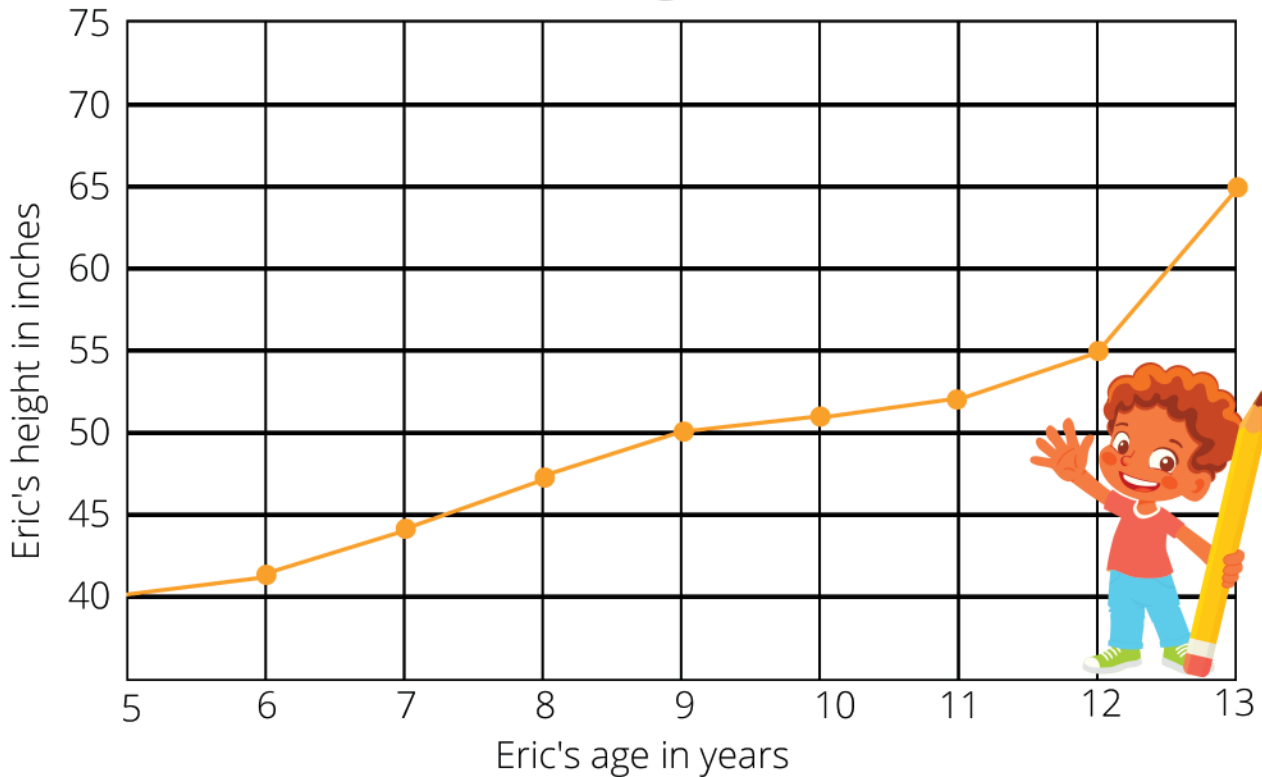
Approximately how tall was Eric (in inches) at age 6? _____

How old was Eric when he was 50 inches tall? _____

How tall was Eric at age 13? _____

What age was Eric when he grew 10 inches in one year? _____

At what age did Eric grow the least? _____

How many inches did Eric grow from age 6 to age 13? _____

Why do we use line graphs instead of another type of graph to talk about age? (Why would we want lines drawn between the dots?)_____

_____

Why don't we have a KEY for this graph? _____

What data is represented by the X axis? _____

Fill in the missing factors to complete each number sentence.

5 x □ = 10   3 x □ = 18   9 x □ = 72
□ x 3 = 9   □ x 9 = 45   □ x 6 = 72
2 x □ = 18   2 x □ = 14   4 x □ = 32
4 x □ = 16   4 x □ = 20   5 x □ = 25
□ x 4 = 12   □ x 8 = 24   □ x 6 = 30
3 x □ = 21   12 x □ = 48   6 x □ = 24
□ x 3 = 15   □ x 9 = 63   □ x 3 = 36

Color each rectangle according to the product of the numbers inside:

- ■ 0-25
- ▨ 26-50
- ■ 51-75
- ■ 76-100
- □ 100+

8 x 7	9 x 7	11 x 5	1 x 10	2 x 5	8 x 2	7 x 8	5 x 11	6 x 11
5 x 10	7 x 10	3 x 3	6 x 6	5 x 8	7 x 5	5 x 4	7 x 9	8 x 8
11 x 6	6 x 3	9 x 3	8 x 6	3 x 9	7 x 6	6 x 5	3 x 5	10 x 7

| 9 x 7 | 8 x 9 | 3 x 4 | 6 x 8 | 11 x 8 / 8 x 5 | 9 x 5 / 11 x 8 | 5 x 6 | 9 x 9 / 9 x 5 | 7 x 7 / 12 x 7 | 7 x 5 | 6 x 4 | 6 x 12 | 8 x 9 |
| | | | | 9 x 10 | 10 x 10 | 8 x 4 | 10 x 10 | 9 x 9 | | | | |

| 8 x 8 | 5 x 3 | 6 x 7 | 7 x 5 | 11 x 3 / 11 x 7 | 12 x 8 / 9 x 5 | 7 x 7 | 11 x 4 / 8 x 10 | 10 x 9 / 9 x 4 | 5 x 8 | 6 x 7 | 11 x 2 | 8 x 8 |
| | | | | 5 x 8 | 7 x 5 | 9 x 4 | 8 x 5 | 3 x 9 | | | | |

| 11 x 5 | 8 x 7 | 12 x 2 | 7 x 7 | 12 x 12 | 9 x 12 | 10 x 12 | 12 x 11 | 11 x 11 | 6 x 8 | 3 x 3 | 12 x 5 | 6 x 11 |
| | | | | 7 x 6 / 2 x 3 | 4 x 5 | 6 x 4 | 5 x 5 | 1 x 1 / 12 x 3 | | | | |

10 x 6	4 x 2	3 x 12	6 x 8 / 7 x 12	9 x 9	12 x 8 / 4 x 12	5 x 9	6 x 2	10 x 5
8 x 8	5 x 12	2 x 7	5 x 6	7 x 7	6 x 6	1 x 9	12 x 6	8 x 8
10 x 5	9 x 8	11 x 6	2 x 9	3 x 4	2 x 6	5 x 12	6 x 10	7 x 8

Heads Or Tails

Let's make a bar graph. Some bar graphs are horizontal and some are vertical.

Flip a penny and see whether it lands "head" side up or "tail" side up. Color a box for heads or tails. Keep flipping and coloring until a side reaches the end.
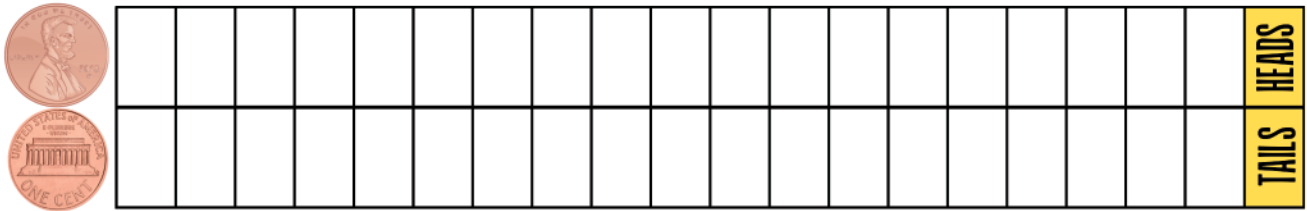
																			HEADS
																			TAILS

How many times did you flip the coin? _____

Did you flip more heads or tails? _____

How many MORE _____ than _____ do you have? _____
               side you flipped most   side you flipped least

Favorite Movie Snacks

Tally Chart

popcorn	ԽԽ ‖
hamburger	ԽԽ
cotton candy	‖
french fries	ԽԽ
pizza	‖
soda	‖‖‖
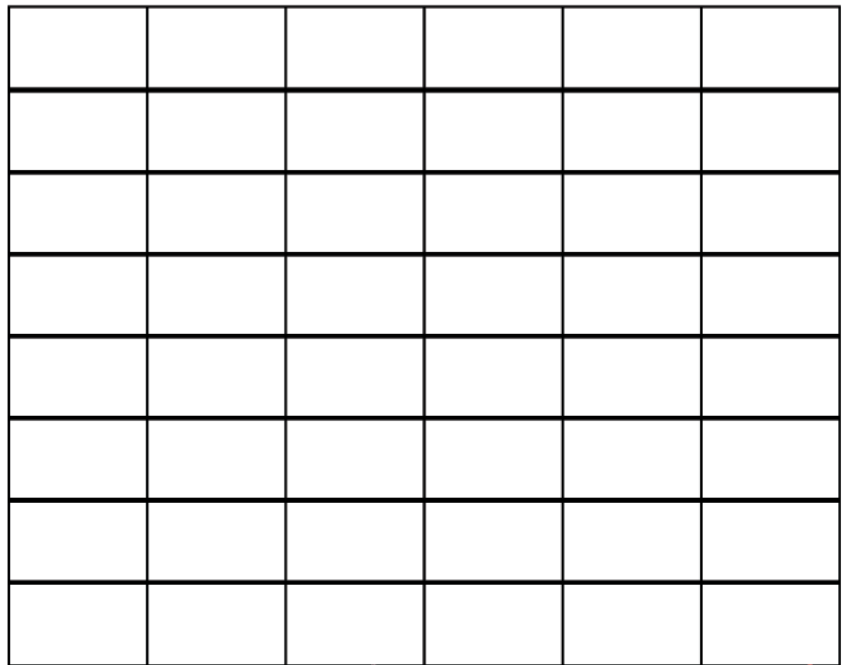
Graph all of the votes from the tally chart into the bar graph, then answer the questions.

How many people voted for their favorite movie snack? _____

Which movie snack is the favorite? _____

Which movie snack is the least favorite? _____

How many MORE people prefer french fries than cotton candy? _____

Can you solve these multiplication puzzles?

3	x	4	=	
x		x		x
3	x		=	
=		=		=
	x	12	=	

	x	2	=	12
x		x		x
5	x	2	=	
=		=		=
	x		=	

4	x		=	
x		x		x
3	x	2	=	
=		=		=
	x	10	=	

Place the correct comparison symbol (<, >, =) in the circle between each set of shapes. Then write the fraction on top of each shape.
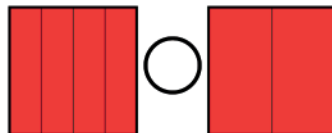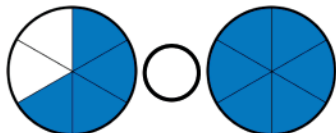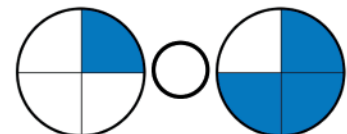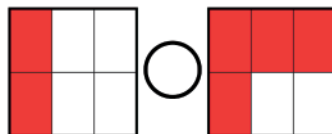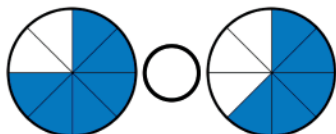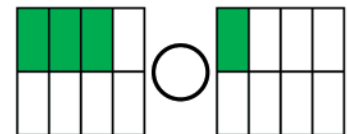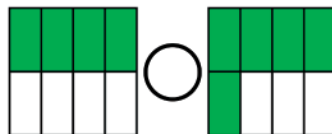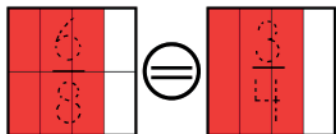
Fill in the boxes with the missing addends. Some will require regrouping.

$$\begin{array}{r} \square\square \\ +15 \\ \hline 45 \end{array} \qquad \begin{array}{r} \square\square \\ +21 \\ \hline 62 \end{array} \qquad \begin{array}{r} 32 \\ +\square\square \\ \hline 75 \end{array} \qquad \begin{array}{r} 24 \\ +\square\square \\ \hline 68 \end{array} \qquad \begin{array}{r} \square\square \\ +17 \\ \hline 47 \end{array}$$

$$\begin{array}{r} 19 \\ +\square\square \\ \hline 20 \end{array} \qquad \begin{array}{r} \square\square \\ +25 \\ \hline 50 \end{array} \qquad \begin{array}{r} 17 \\ +\square\square \\ \hline 90 \end{array} \qquad \begin{array}{r} 99 \\ +\square\square \\ \hline 100 \end{array} \qquad \begin{array}{r} 16 \\ +\square\square \\ \hline 32 \end{array}$$

147

Date _____

We asked 50 kids their favorite holiday. This is how many kids voted for each.
Fill out the tally chart, then use this pie chart to answer the questions below.

Favorite Holiday

Tally Chart

Christmas	
Easter	
Halloween	
Birthday	
Thanksgiving	

KEY
- Christmas
- Easter
- Halloween
- Birthday
- Thanksgiving
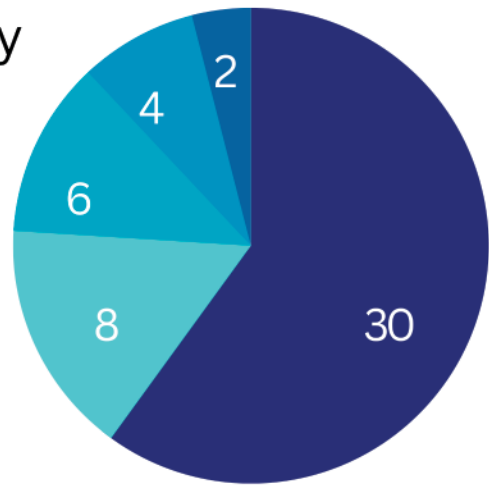
Which holiday is the most popular? _____

Which holiday got the least votes? _____

How many more kids prefer Easter than Halloween? _____

How many fewer votes did Thanksgiving get than Halloween? _____

How many kids voted for their own birthday? _____

Fill in the blanks to complete the circles below.
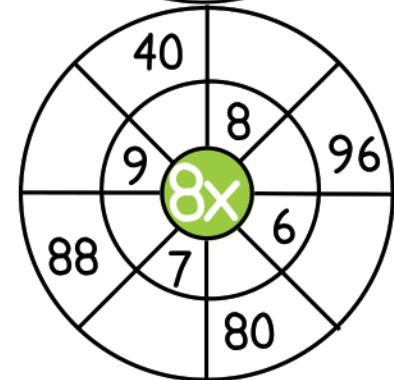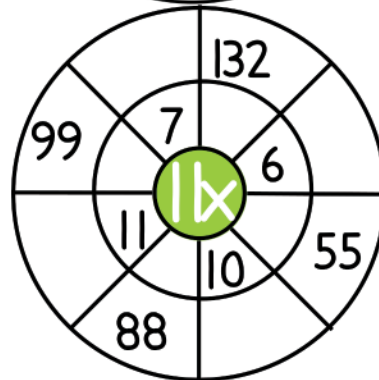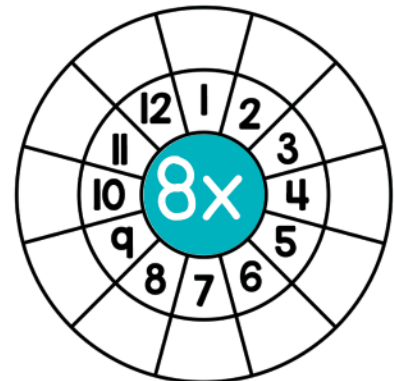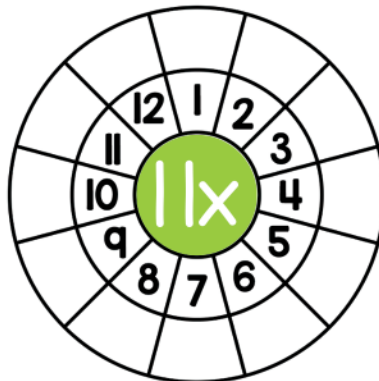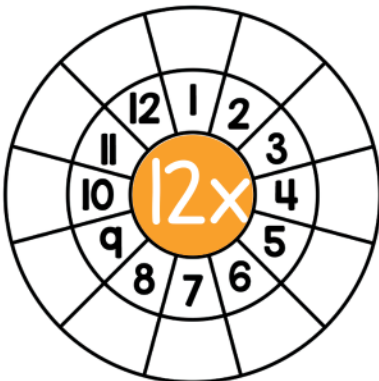
Fill in each square with factors such that the product of each set of factors, horizontally and vertically, are correct.

7		35
		108
84	54	

12		24
		21
84	6	

3		36
		15
9	60	

4		12
		28
16	21	

5		40
		27
15	72	

8		96
		48
96	48	

10		60
		18
20	54	

9		99
		40
45	88	

8		56
		27
24	63	

11		22
		18
66	6	

6		54
		42
42	54	

2		22
		72
12	132	

Favorite Fruit Pie Chart

Color the fruits, then fill out the circle graph.
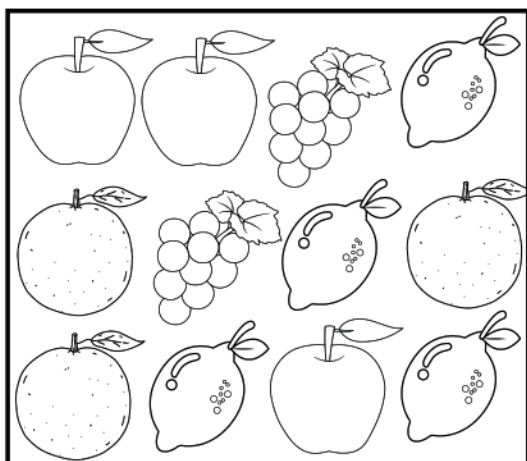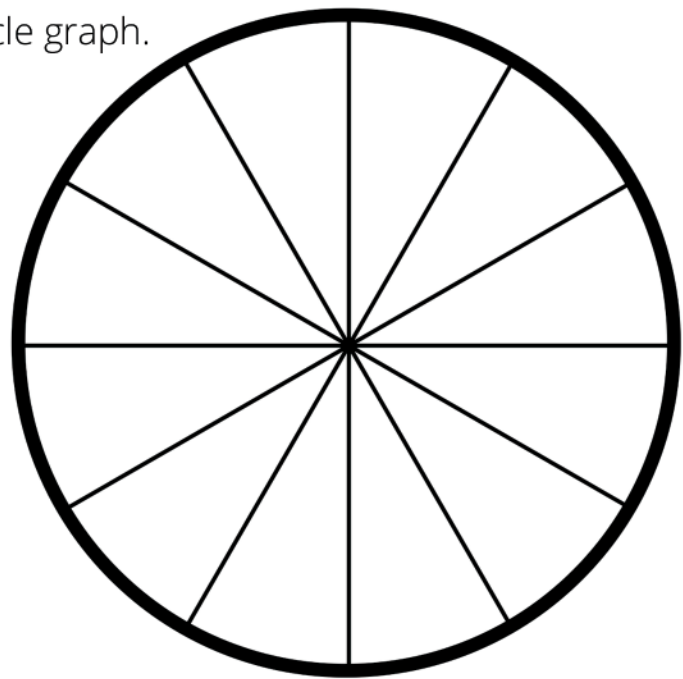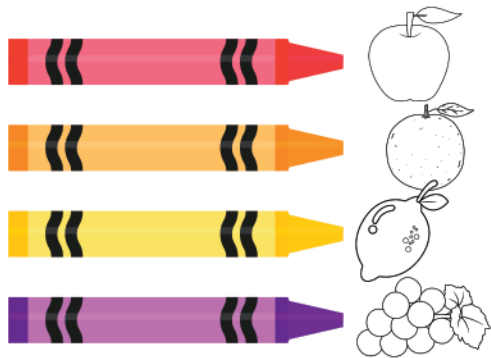
Name 3 facts about this 'Favorite Fruit' Pie Chart:

_____

_____

_____

Date _____
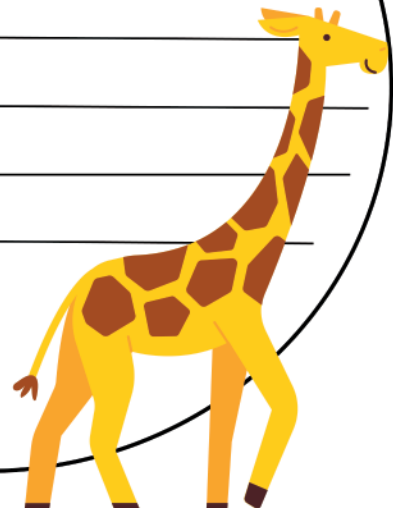
First, write down as many things as you can think of that both animals have in common, such as two eyes or a tail, then write lists for each animal of their individual traits that they don't share.

Zebra   **Giraffe**

both

_____   _____
_____   _____
_____   _____
_____   _____
_____
_____

How much time has elapsed?

time	hours	minutes
9:03		
11:55		

_____ hours and _____ minutes

time	hours	minutes
4:10		
8:58		

_____ hours and _____ minutes

time	hours	minutes
7:27		
9:17		

_____ hours and _____ minutes

time	hours	minutes
1:30		
2:51		

_____ hours and _____ minutes

Graphing in reverse. Look at the data, then color the candies in the bag to match the graph.

title: _____
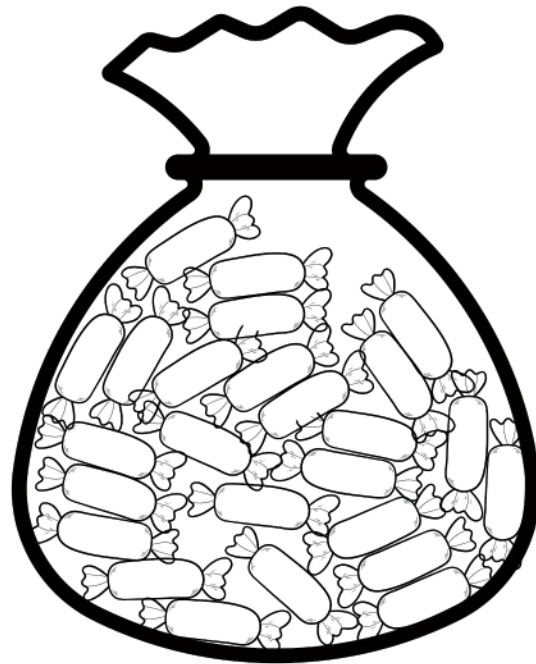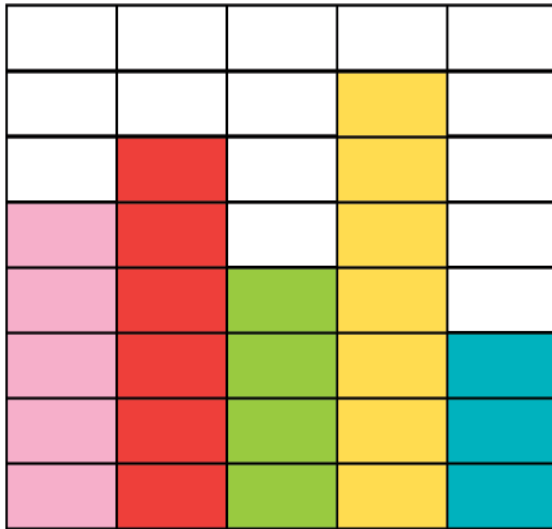
1. Add a title above the graph (name it whatever you want).
2. Labels the axes. The x axis should name the colors and the y axis should show the amounts.
3. Write 3 interesting facts about the graph:

_____

_____

_____

Fill in the missing numbers to make each number sentence correct.

$$\frac{3}{3} = \frac{\Box}{6} \qquad \frac{1}{\Box} = \frac{2}{8} \qquad \frac{\Box}{3} = \frac{2}{6} \qquad \frac{1}{2} = \frac{5}{\Box} \qquad \frac{1}{2} = \frac{\Box}{4}$$

$$\frac{1}{4} = \frac{3}{\Box} \qquad \frac{1}{2} = \frac{\Box}{6} \qquad \frac{1}{2} = \frac{\Box}{8} \qquad \frac{\Box}{3} = \frac{4}{6} \qquad \frac{6}{\Box} = \frac{3}{4}$$

$$\frac{2}{\Box} = \frac{3}{6} \qquad \frac{\Box}{8} = \frac{5}{10} \qquad \frac{2}{\Box} = \frac{1}{5} \qquad \frac{4}{5} = \frac{\Box}{10} \qquad \frac{1}{2} = \frac{6}{\Box}$$

Date _____

1.Collect Data

Ask your family members and friends to choose their favorite ice cream flavor from those listed below. Make a tally mark for each vote then graph the votes.

Tally Chart

Vanilla	
Chocolate	
Mint Chip	
Rocky Road	
Cookies Cream	
Strawberry	

2.Graph Data

3.Analyze Data

Which flavor is the favorite?

_____

Which flavor is the least favorite?

_____

How many votes did you graph?

_____

How many more votes did the favorite flavor get than the least favorite? _____

What other observations can you make about this data? _____

_____

30 minutes earlier	15 minutes earlier	current time	15 minutes later	30 minutes later
7:25	7:55	8:10	8:25	8:55
:	:	1:05	:	:
:	:	2:20	:	:
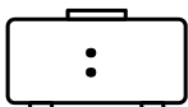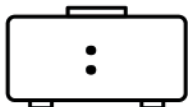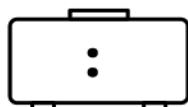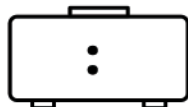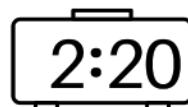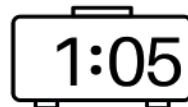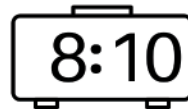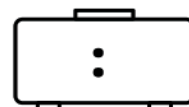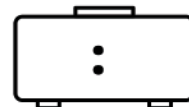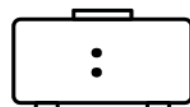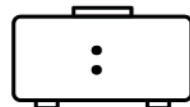
The months of the year are January, February, _____, April, May, _____,
_____, August, September, _____, November, December.

Use this chart to fill out both of the Venn Diagrams below with traits the kids in the chart have in common.

name	Melody	Lizzy	Caleb	Ben	Maria	Jaida	Cam
gender	girl	girl	boy	boy	girl	girl	boy
age	12	9	7	2	9	10	9
height	64 in.	55 in.	51 in.	33 in.	54 in.	48 in.	52 in.
eye color	blue	blue	green	brown	brown	brown	brown
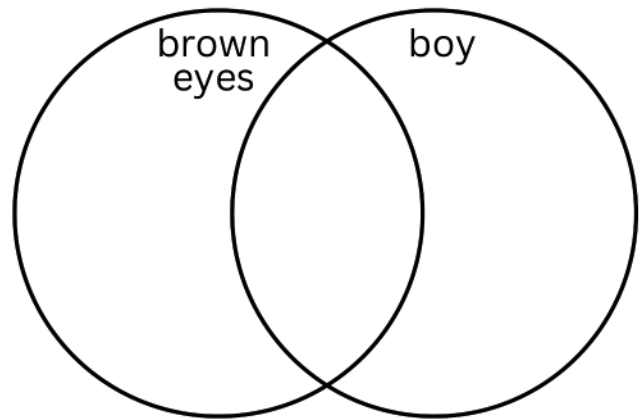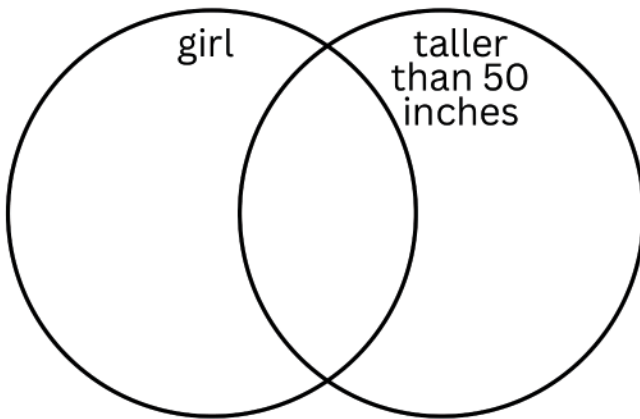
girl — taller than 50 inches

brown eyes — boy

Color the MIXED NUMBER in each colored rectangle. Then draw an arrow that color pointing to that mixed number on the number line below.

Color $2\frac{3}{4}$

Color $1\frac{1}{2}$

Color $3\frac{1}{4}$

Color $1\frac{3}{8}$

Color $2\frac{1}{8}$

Color $\frac{5}{8}$

Color $3\frac{7}{8}$

Number line: 0 $\frac{1}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$ $\frac{7}{8}$ 1 $\frac{1}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$ $\frac{7}{8}$ 2 $\frac{1}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$ $\frac{7}{8}$ 3 $\frac{1}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$ $\frac{7}{8}$ 4

153

Draw a HORIZONTAL line and a VERTICAL line to divide this square into FOURTHS.

Use two OBLIQUE lines to divide this square into FOURTHS.

Draw 3 HORIZONTAL lines to divide this square into FOURTHS.

Draw 3 VERTICAL lines to divide this square into FOURTHS.

Draw lines to match each quadrilateral to it's most specific name.

rectangle   square   parallelogram   rhombus   trapezoid

PARALLEL lines never intersect. Lines that intersect at RIGHT ANGLES (90 degrees) are PERPENDICULAR. Draw the following:

Parallel Lines	Perpendicular Lines (draw a square in the RIGHT ANGLE to show that it's perpendicular)	Intersecting Lines that are neither parallel nor perpendicular

Continue each pattern:

11, 22, 33, 44, 55, ____, ____, ____, ____, ____, ____

5, 10, 15, 20, 25, ____, ____, ____, ____, ____, ____, ____

8, 18, 28, 38, 48, ____, ____, ____, ____, ____, ____, ____

Draw lines to match the polygons across all three columns.

3 sides		Pentagon
6 sides		Triangle
10 sides		Heptagon
8 sides		Hexagon
4 sides		Octagon
9 sides		Decagon
7 sides		Nonagon
5 sides		Quadrilateral

You have 5 dimes and your brother has 7 nickels.

You _____ ¢

Brother _____ ¢

Who has more money? _____

How much more? _____ ¢

How much money do you have altogether? _____ ¢

How much money is this? _____ ¢

Date _____

Draw a dot inside each angle. Count the numbers of angles in each shape.
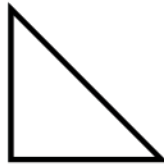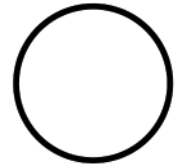
_4_ angles   ____ angles   ____ angles   ____ angles   ____ angles

Write straight, right, acute or obtuse below each angle.

90°   130°   30°   180°

_____   _____   _____   _____
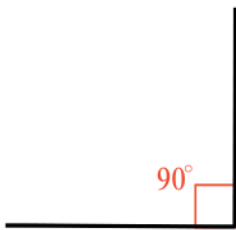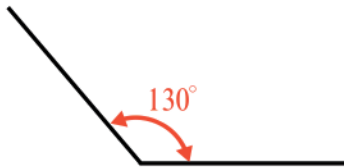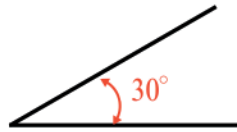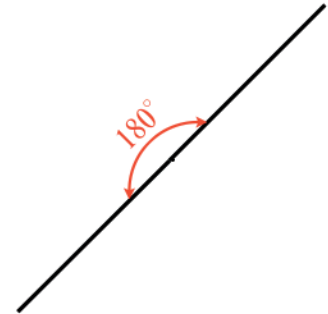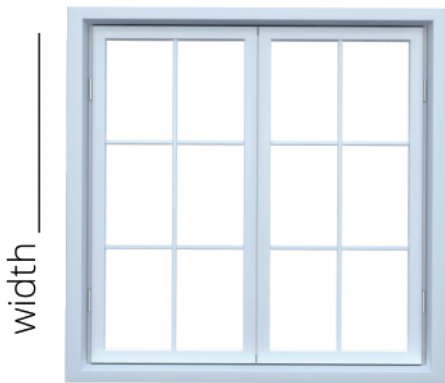
Use a ruler to measure the length and width of this window in inches. Remember to write the units! Trace all horizontal lines purple.

- Trace all horizontal lines purple.
- Trace all vertical lines yellow.
- Trace all oblique lines green.
- Draw a red line of symmetry.
- What would be the measurements of a congruent shape? _____

width _____

length _____

Put these numbers in order from smallest to largest.

| 12 | 41 | 35 | 48 | 55 |

____   ____   ____   ____   ____
smallest   largest

| 35 | 67 | 82 | 29 | 48 |

____   ____   ____   ____   ____
smallest   largest

156

Trace the existing numbers, fill in the missing numbers and color the squares with EVEN numbers yellow.

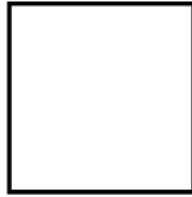|		503						
				490				

Color the MIXED NUMBER in each colored rectangle. Then draw an arrow that color pointing to that mixed number on the number line below.

Color $3\frac{5}{8}$ | Color $\frac{3}{8}$ | Color $2\frac{3}{4}$ | Color $1\frac{1}{2}$ | Color $1\frac{7}{8}$ | Color $3\frac{1}{4}$ | Color $2\frac{1}{8}$

Number line: 0, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 2, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 3, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 4

Find the weight of each item.

_____ lb _____ oz   _____ lb _____ oz   _____ lb _____ oz   _____ kg _____ g   _____ kg _____ g

Match each shape to its name and attributes.
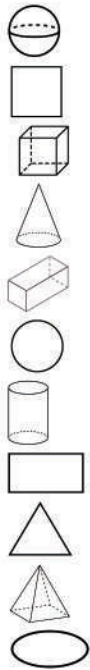
- Triangle
- Square
- Cone
- Sphere
- Cuboid
- Circle
- Cylinder
- Rectangle
- Pyramid
- Oval
- Cube

- 12 edges all the same length
- One vertex, one circular side
- No edges or vertices, 3D
- 8 vertices, only 2 sides are squares
- 3D with 2 circular ends
- 3 sides
- 4 sides, all the same length
- Closed, curved, 2D shape
- One vertex, one square side
- No edges or vertices, but not a circle
- 4 sides, not the same length

How much money is this?

$____._____
dollars   cents

$____._____
dollars   cents

$____._____
dollars   cents

$____._____
dollars   cents

$____._____
dollars   cents

Complete these Fact Family houses.

144 / 12 / 12

___ x ___ = ___
___ x ___ = ___
___ ÷ ___ = ___
___ ÷ ___ = ___

108 / 12 / 9

___ x ___ = ___
___ x ___ = ___
___ ÷ ___ = ___
___ ÷ ___ = ___

132 / 11 / 12

___ x ___ = ___
___ x ___ = ___
___ ÷ ___ = ___
___ ÷ ___ = ___

56 / 7 / 8

___ x ___ = ___
___ x ___ = ___
___ ÷ ___ = ___
___ ÷ ___ = ___

Draw lines to match each angle to the most correct measure.
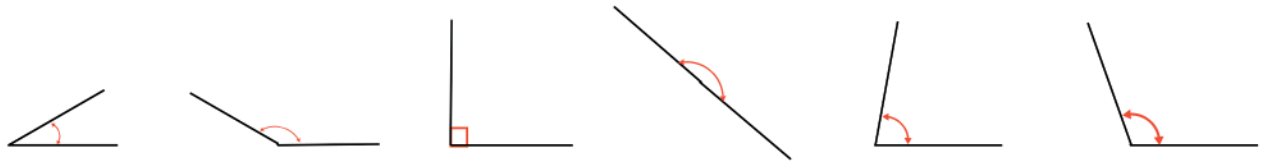
90°   80°   30°   110°   180°   150°

How many letters are in your name? Graph the names of all of your family members, one letter per square.

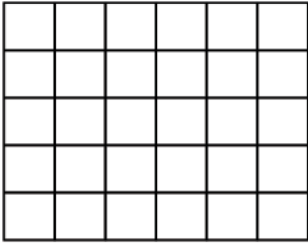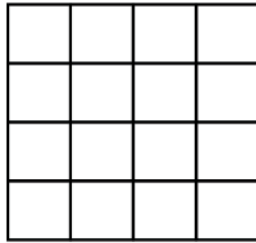| 1	2	3	4	5	6	7	8	9	10	11	12
E	l	i	z	a	b	e	t	h			

Count backward

502

How many letters LONGER is the longest name than the shortest name? ____
Write two things more things you can learn from your graph.
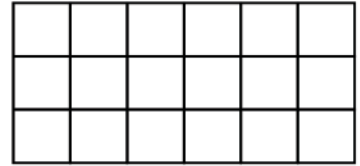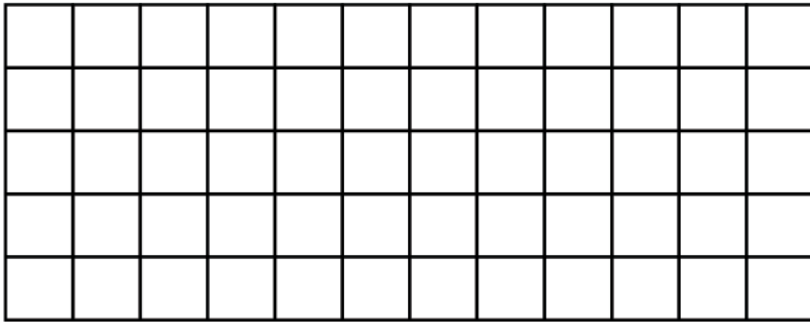
_____

_____

Date _____

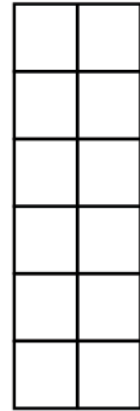perimeter _____ units

area _____ square units

perimeter _____ units
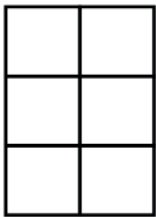
area _____ square units
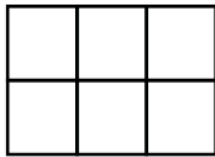
perimeter _____ units

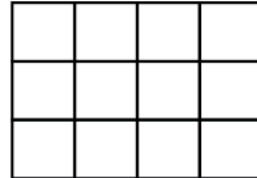area _____ square units

perimeter _____ units

area _____ units²

perimeter _____ units

area _____ units²

3 rows, 2 columns

3 x 2 = 6

perimeter _____

area _____   keep using units!

2 rows, 3 columns

2 x 3 = ____

perimeter _____

area _____

3 rows, 4 columns

3 x 4 = ____
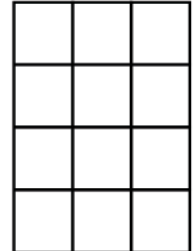
perimeter _____

area _____

4 rows, 3 columns

4 x 3 = ____

perimeter _____

area _____

5 rows, 2 columns

___ x ___ = ____

perimeter _____

area _____

2 rows, 5 columns

___ x ___ = ____
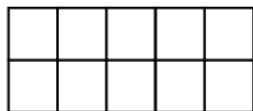
perimeter _____

area _____

5 rows, 4 columns
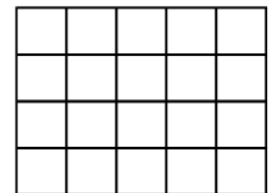
___ x ___ = ____

perimeter _____

area _____

4 rows, 5 columns

___ x ___ = ____

perimeter _____

area _____

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Write the correct comparison symbol (<, >, =) between each set of capacity measurements. Remember the shark always wants to eat the LARGER amount.
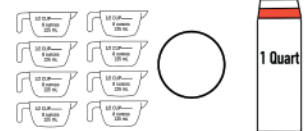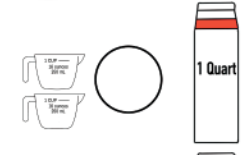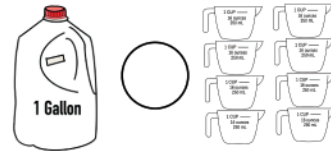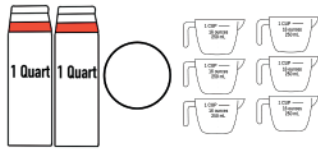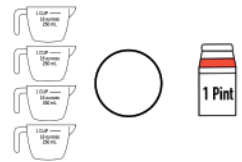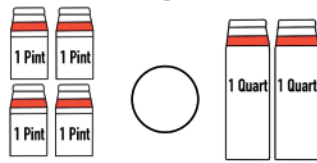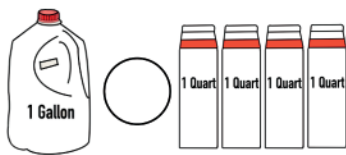
Complete the crossword puzzle.
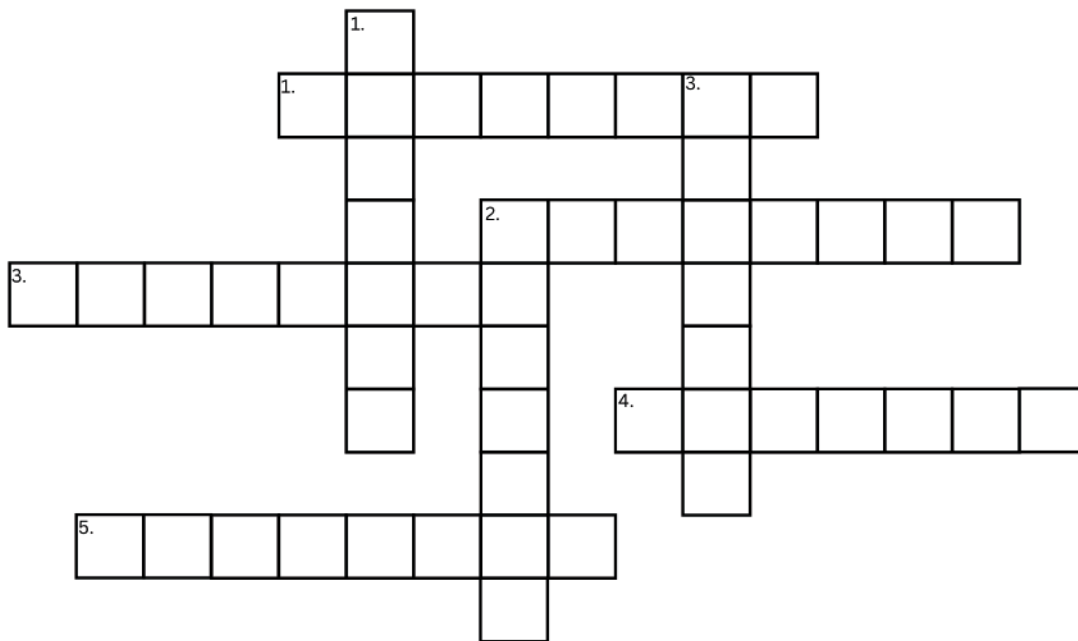
Down
1. 10 sides
2. 6 sides
3. 8 sides

Across
1. 5 sides
2. 7 sides
3. 3 sides
4. 9 sides
5. 4 sides

Continue each pattern:

6, 16, 26, 36, 46, ____, ____, ____, ____, ____, ____, ____

6, 11, 16, 21, 26, ____, ____, ____, ____, ____, ____, ____

9, 18, 27, 36, 45, ____, ____, ____, ____, ____, ____, ____

Date _____

Find the answer to the riddle by graphing all of the points.

y axis
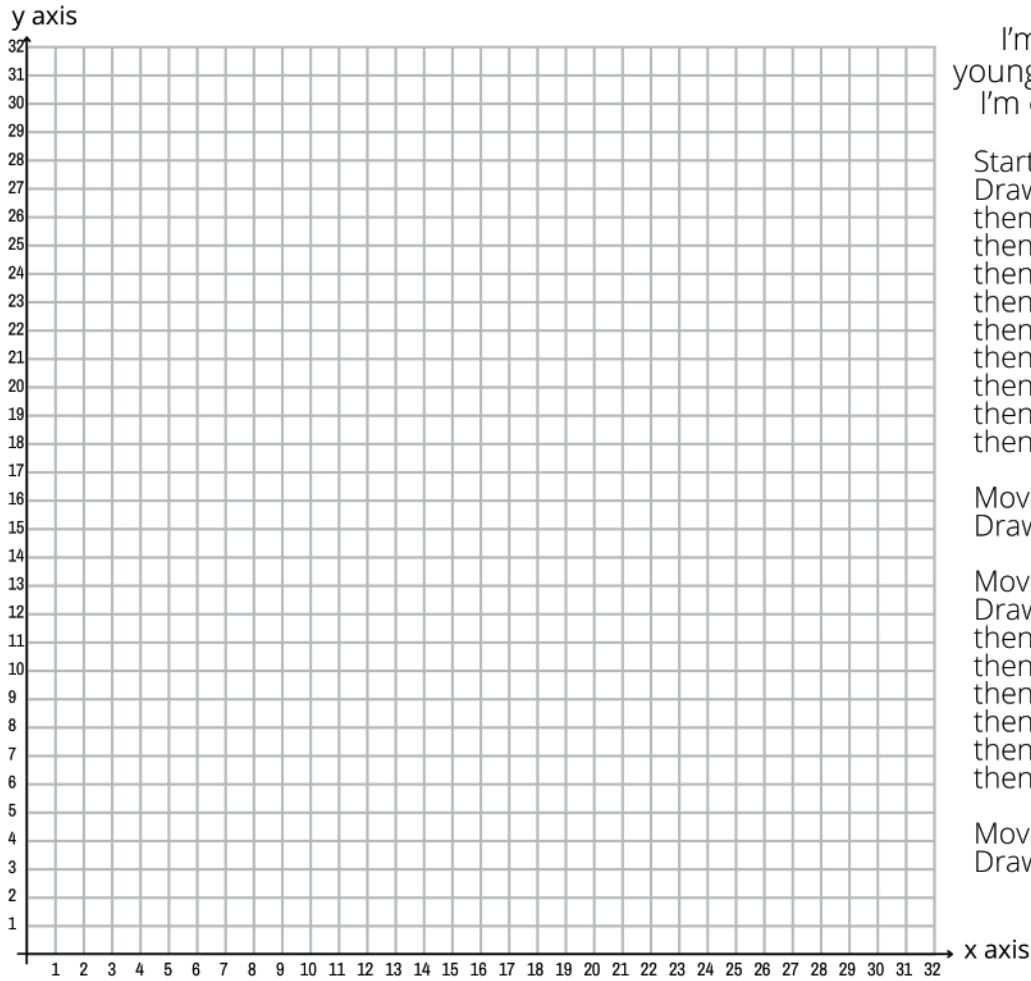
I'm tall when I'm young and short when I'm old. What am I?

Start at (6, 4)
Draw a line to (10, 2)
then to (12, 2)
then to (16, 4)
then to (16, 19)
then to (12, 21)
then to (10, 21)
then to (6, 19)
then to (10, 18)
then to (12, 18)
then to (16, 19)

Move to (6, 19)
Draw a line to (6,4)

Move to (11, 30)
Draw a line to (13, 26)
then to (13, 23)
then to (12, 22)
then to (10, 22)
then to (9, 23)
then to (9, 26)
then to (11, 30)

Move to (11, 23)
Draw a line to (11, 20)

x axis

Write down as many attributes as you can think of that both shapes have in common in the overlapping area, then list the attributes the shapes do not share.

both

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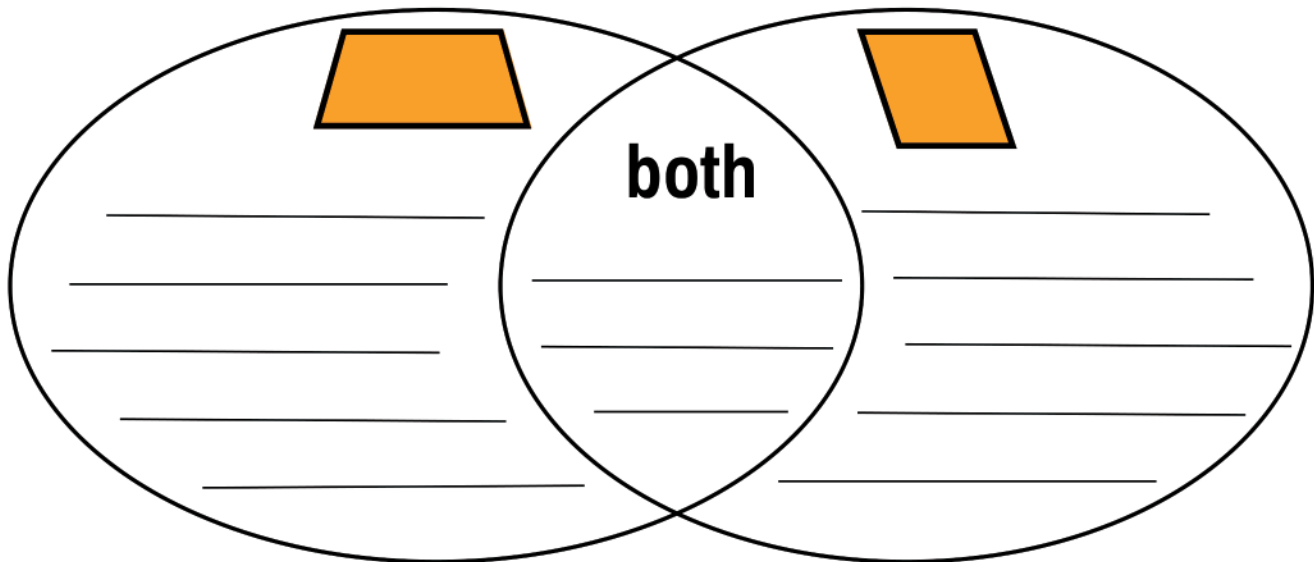
Geometry Riddles

I have 6 sides, all congruent. What am I?

What do you have to know to get a good grade in Geometry?

I have 2 flat surfaces and a curved surface. What am I?

Why was the obtuse angle upset?

I have 1 vertex, 1 flat side and a curved surface. What am I?

What kinds of trees are mirror images of each other?

I am a 2D shape with 9 sides, all the same length. What am I?

What size is an adorable angle?

I am the same shape as a stop sign. How many sides do I have? What am I called?

Why don't we argue with circles?

I have six faces, 12 edges, 8 vertices and ONLY two of my faces are squares. What am I?

My five equal angles are all obtuse and I have no parallel lines. What am I?

I have 5 vertices, 1 square face and 4 triangular faces. What am I?

~~~~~~~~~~

How much time has elapsed?

time	hours	minutes
7:47		
11:05		

_____ hours and _____ minutes

time	hours	minutes
1:09		
4:01		

_____ hours and _____ minutes

time	hours	minutes
11:00		
12:15		

_____ hours and _____ minutes

time	hours	minutes
11:50		
12:30		

_____ hours and _____ minutes

CONGRATULATIONS

Math Rockstar!

Certificate of Completion has been awarded to

WePlayMath
LEVEL 2

_____

Parent/Educator

Amy Beck

Amy Beck, WePlayMath