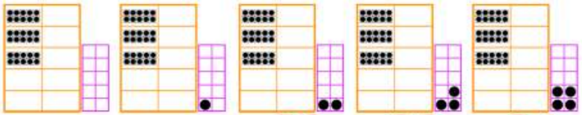
Date

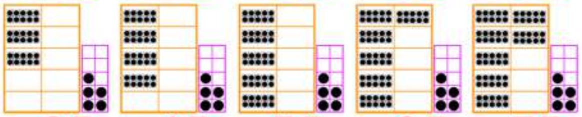
Fill in the missing numbers.

61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

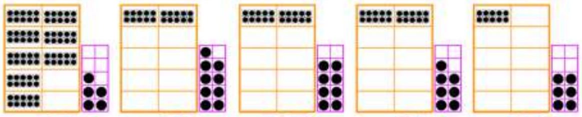
What numbers do these ten frames represent?



30 31 32 33 34



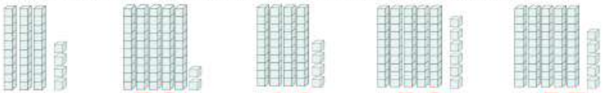
35 45 55 65 75



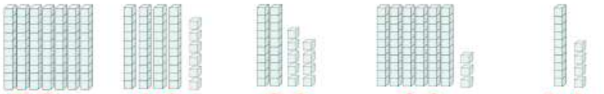
85 29 28 27 16

Day of the week

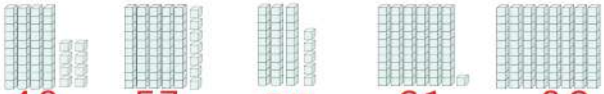
What numbers do these base ten blocks and ten frames represent?



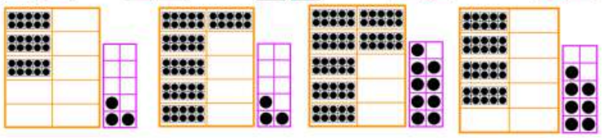
34 52 44 56 55



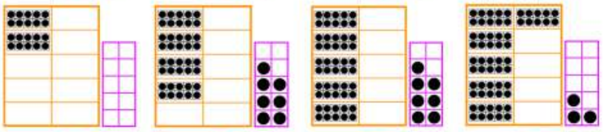
70 46 29 63 14



48 57 35 61 80

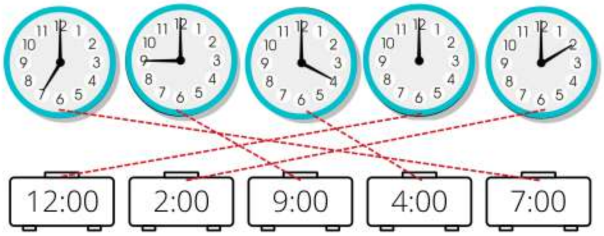


33 63 79 47



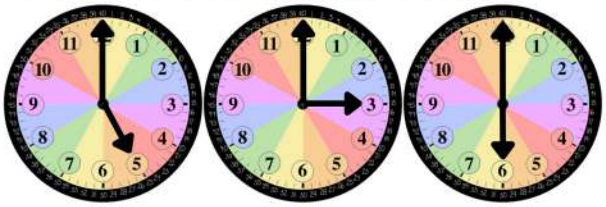
20 47 57 63

Draw lines to match the analog and digital clocks.



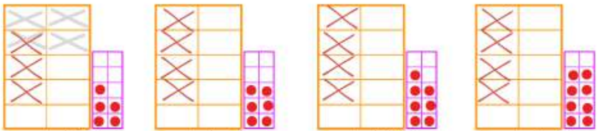
12:00
2:00
9:00
4:00
7:00

What time is shown on these clocks? Write your answers below.



5:00 3:00 6:00

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

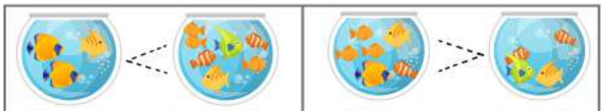
Date

Comparison Symbols

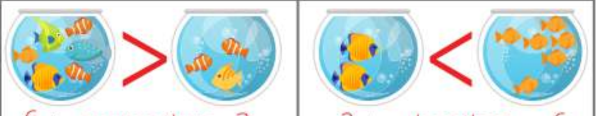
Always make the shark jaw "eat" the larger amount.

>	<	=
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.

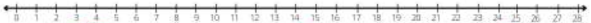


3 is less than 7 | 6 is greater than 4



6 is greater than 3 | 2 is less than 6

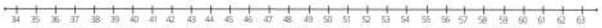
Find the two numbers you are comparing on the number line. The number FARTHEST to the right is the LARGEST.



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

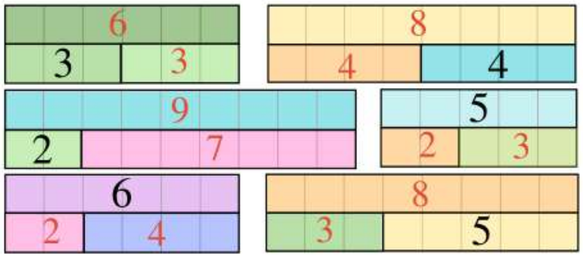


34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63

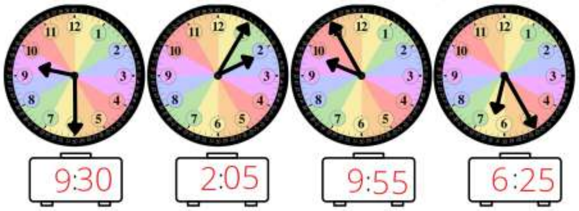
39 > 38 55 > 45 36 < 63

34 = 34 35 < 36 51 > 47

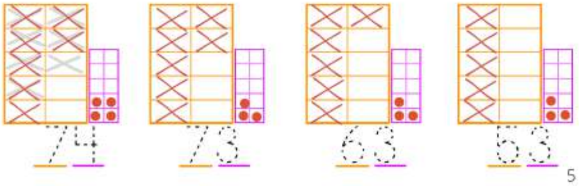
Fill in the missing members of each fact family.


6
3
3
8
4
4
9
2
7
5
2
3
6
2
4
8
3
5

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.

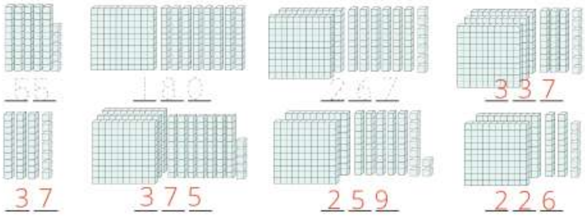

9:30
2:05
9:55
6:25

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.

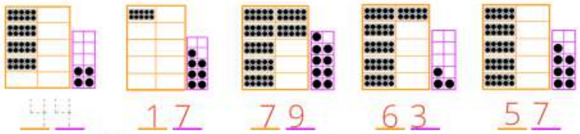


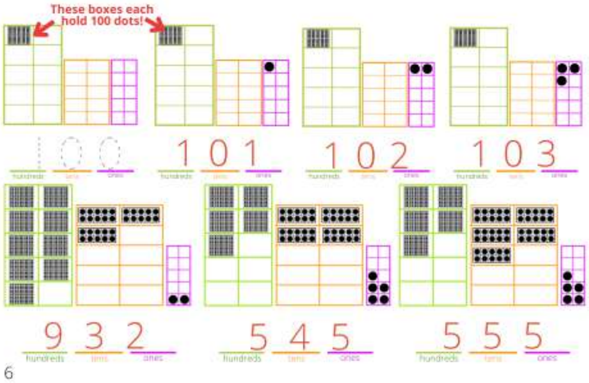
Date ____________________

What numbers do these base ten blocks represent?


55
180
267
337
37
375
259
226

What numbers do these ten frames represent?

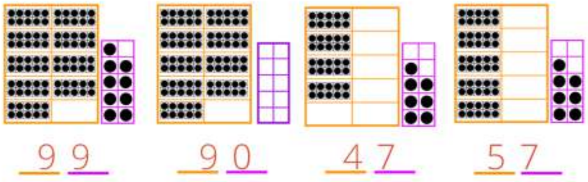

44
17
79
63
57


These boxes each hold 100 dots!
100
101
102
103
hundreds
tens
ones
932
545
555

Trace the existing numbers and fill in the missing numbers.

61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110

Write the number in each frame on the lines below. Name each number aloud.



Find the missing sums and addends.

⚂ + ⚂ = 6   2 + ⚁ = ⚃   ⚀ + 4 = ⚄

⚅ + 0 = ⚅   4 + ⚁ = ⚅   ⚀ + ⚅ = 7

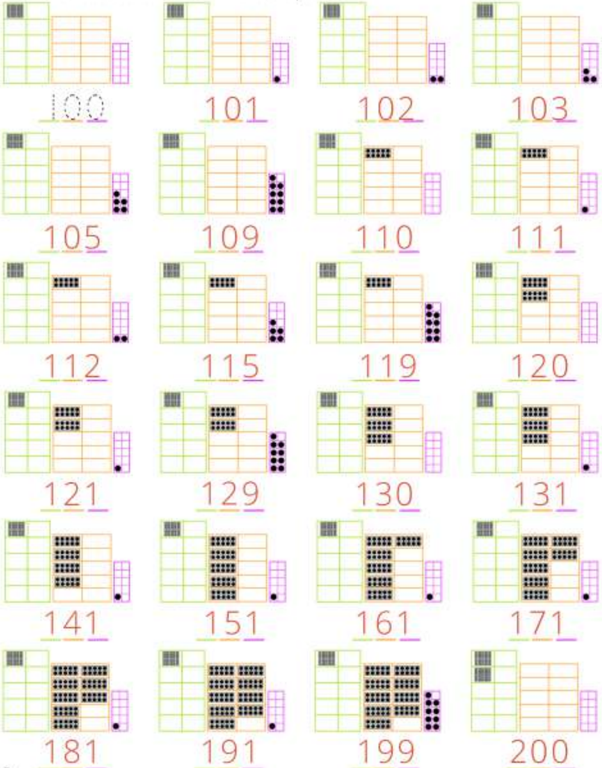
3 + ⚀ = ⚃   ⚃ + 1 = ⚄   4 + ⚀ = ⚄

⚂ + ⚅ = 9   ⚃ + ⚁ = 6   ⚂ + ⚄ = 8

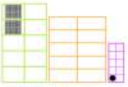
⚅ + ⚃ = 10   4 + ⚁ = ⚅   ⚃ + 2 = ⚅

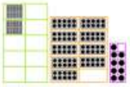
Date ____________________

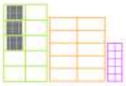
What numbers do these ten frames represent?

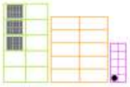

100
101
102
103
105
109
110
111
112
115
119
120
121
129
130
131
141
151
161
171
181
191
199
200

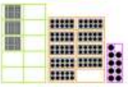
What numbers do these ten frames represent?

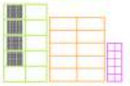

201

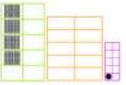

299

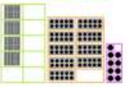

300

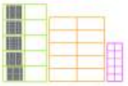

301

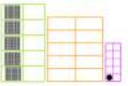

399

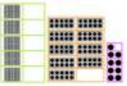

400

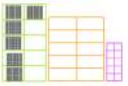

401

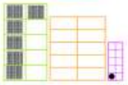

499

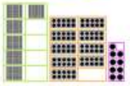

500

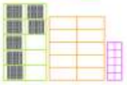

501

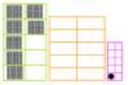

599

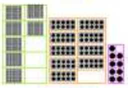

600

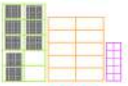

601

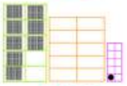

699

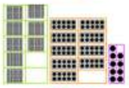

700

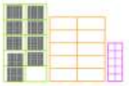

701

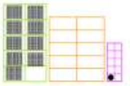

799

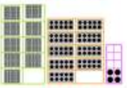

800

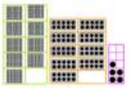

801


899


900

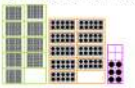

901

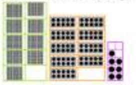

994

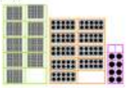

995

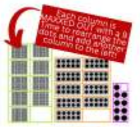
What numbers do these ten frames represent? Write in the numbers then read them aloud to a parent.

Each column is MAXXED OUT with a 9. Time to rearrange the dots and add another column to the left!

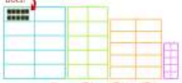

996

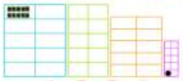

997

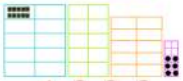

998

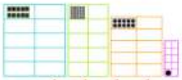

999

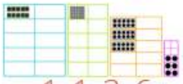
This space holds 1000 dots!

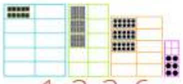

1 0 0 0
thousands hundreds tens ones

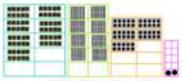

1 0 0 1
thousands hundreds tens ones

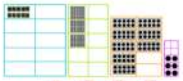

1 0 0 6
thousands hundreds tens ones

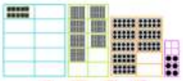

1 1 1 1
thousands hundreds tens ones

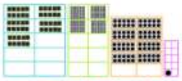

1 1 3 6
thousands hundreds tens ones

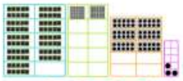

1 3 3 6
thousands hundreds tens ones

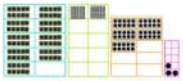

7 8 5 2
thousands hundreds tens ones

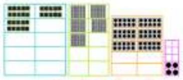

1 3 8 6
thousands hundreds tens ones

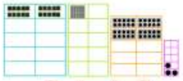

1 7 8 6
thousands hundreds tens ones

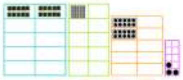

5 4 8 1
thousands hundreds tens ones


9 2 6 3
thousands hundreds tens ones

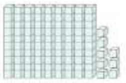

9 2 5 3
thousands hundreds tens ones

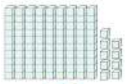

3 5 6 4
thousands hundreds tens ones

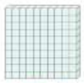

2 1 4 3
thousands hundreds tens ones

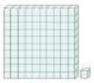

2 1 2 3
thousands hundreds tens ones

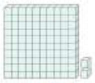
What numbers do these base ten blocks represent?

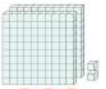

9 8
tens ones

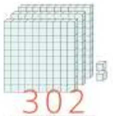

9 9
tens ones

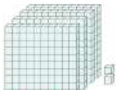

1 0 0
hundreds tens ones

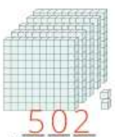

1 0 1
hundreds tens ones

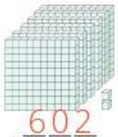

1 0 2
hundreds tens ones

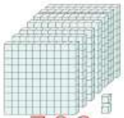

2 0 2
hundreds tens ones

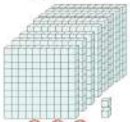

3 0 2
hundreds tens ones

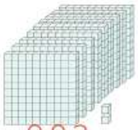

4 0 2
hundreds tens ones

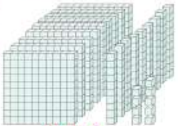

5 0 2
hundreds tens ones

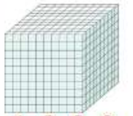

6 0 2
hundreds tens ones

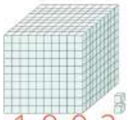

7 0 2
hundreds tens ones


8 0 2
hundreds tens ones


9 0 2
hundreds tens ones

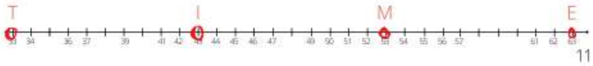

9 9 9
hundreds tens ones


1 0 0 0
thousands hundreds tens ones


1 0 0 2
thousands hundreds tens ones

What flies without wings?

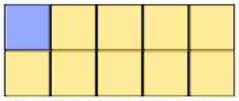
Fill in the missing numbers on the number line below. Circle the number 43 and write an I above it. Circle the number TEN LESS than 43 and write a T above it. Circle the number TEN MORE than 43 and write an M above it. Circle the number TWENTY MORE than 43 and write an E above it.

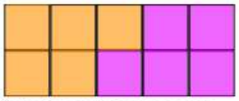


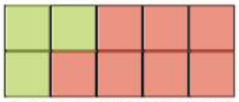
Date ______________________________

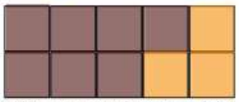
Fill in the missing days of the week.

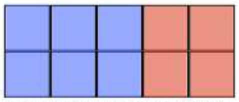
Sunday, Monday, Tuesday,
Wednesday, Thursday, Friday, Saturday.

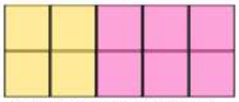

Color 1 square blue and the rest yellow.
1 + 9 = 10


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


Color 3 square green and the rest red.
3 + 7 = 10


Color 7 squares brown and the rest orange.
7 + 3 = 10


Color 6 squares blue and the rest red.
6 + 4 = 10


Color 4 squares yellow and the rest pink.
4 + 6 = 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
2 + 6 = 8
6 + 2 = 8
8 - 6 = 2
8 - 2 = 6

8 whole
4 part part 4
4 + 4 = 8
4 + 4 = 8
8 - 4 = 4
8 - 4 = 4

8 whole
3 part part 5
3 + 5 = 8
5 + 3 = 8
8 - 5 = 3
8 - 3 = 5

7 whole
2 part part 5
2 + 5 = 7
5 + 2 = 7
7 - 5 = 2
7 - 2 = 5

9 whole
6 part part 3
6 + 3 = 9
3 + 6 = 9
9 - 6 = 3
9 - 3 = 6

9 whole
4 part part 5
4 + 5 = 9
5 + 4 = 9
9 - 5 = 4
9 - 4 = 5

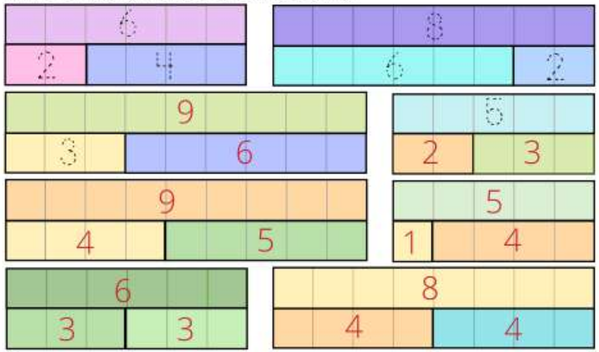
9 whole
2 part part 7
2 + 7 = 9
7 + 2 = 9
9 - 7 = 2
9 - 2 = 7

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

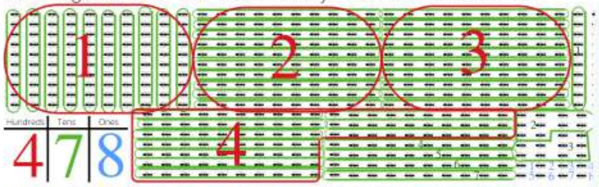
1. This number is between 700 and 800. 791
2. This number is the least. 109
3. This number has seven ONES. 307
4. This number has zero TENS and zero ONES. 600
5. This number is the most. 972
6. All of the digits in this number are EVEN. 222
7. This number is one ten MORE THAN five hundreds. 510
8. This number has eight HUNDREDS. 836
9. This number has the same number of tens and ones, but not hundreds. 533
10. This number has twice as many TENS as ONES. 184
11. This number has five TENS. 358
12. This number has five ONES. 215

Fill in the missing members of each fact family.

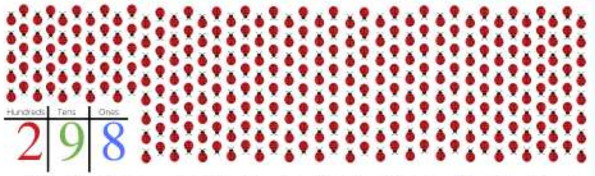


Date ______

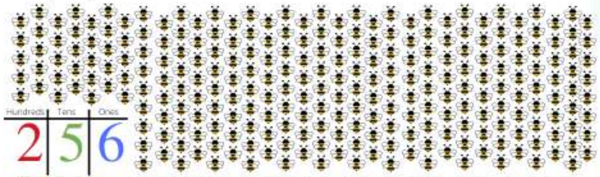
Circle ALL of the sets of ten possible. Then circle TEN sets of tens to group them into hundreds and write that number in the "hundreds" box. Write any remaining tens in the "tens" box. Write any leftovers in the "Ones" box.



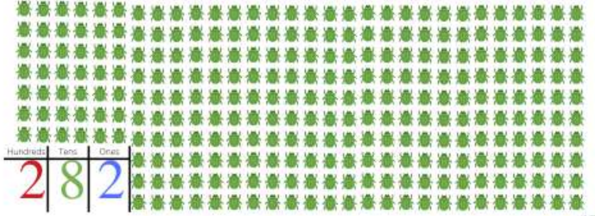
Hundreds	Tens	Ones
4	7	8



Hundreds	Tens	Ones
2	9	8

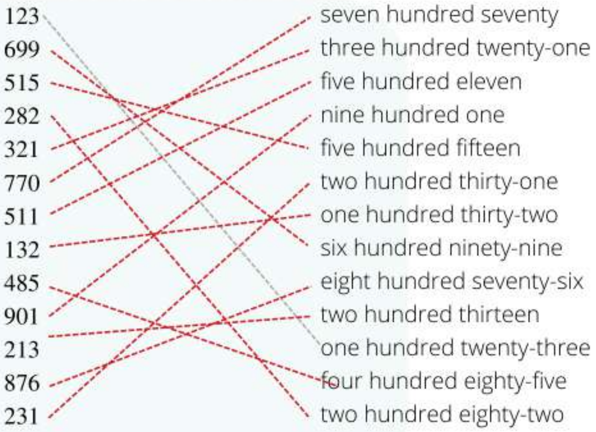


Hundreds	Tens	Ones
2	5	6



Hundreds	Tens	Ones
2	8	2

Draw lines to match the numbers with their word forms.



123
699
515
282
321
770
511
132
485
901
213
876
231

seven hundred seventy
three hundred twenty-one
five hundred eleven
nine hundred one
five hundred fifteen
two hundred thirty-one
one hundred thirty-two
six hundred ninety-nine
eight hundred seventy-six
two hundred thirteen
one hundred twenty-three
four hundred eighty-five
two hundred eighty-two

Fill in the missing numbers on each number line.

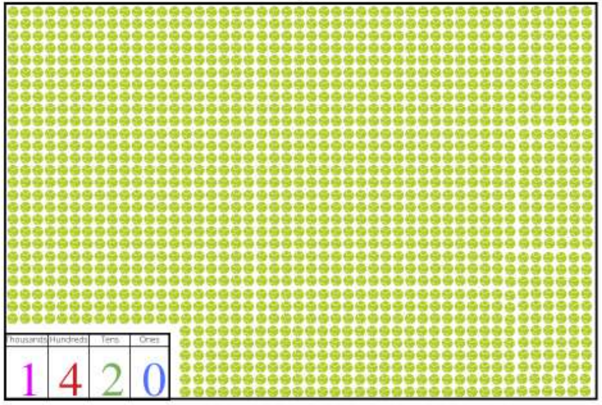
204 205 206 207 208 209 210 211 212 213 214 215 216

189 190 191 192 193 194 195 196 197 198 199 200 201

299 300 301 302 303 304 305 306 307 308 309 310 311

495 496 497 498 499 500 501 502 503 504 505 506 507

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
1	4	2	0

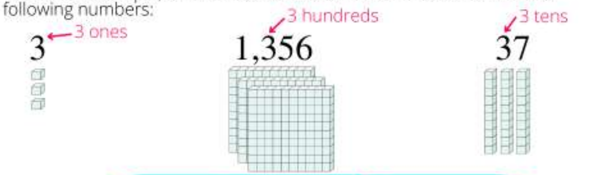
Write each number using three digits to complete the chart below.

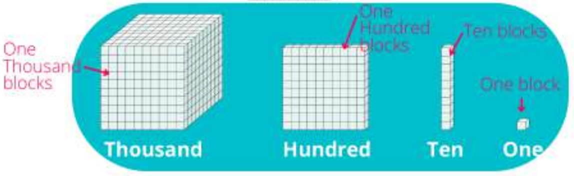
Six hundred twenty-three	623
Three hundred fifty-six	356
Two hundred	200
Four hundred seventy	470
One hundred eighty-seven	187
Eight hundred thirteen	813
Nine hundred sixty-eight	968
Two hundred fifty-two	252
Seven hundred ninety-one	791
Five hundred fifty-five	555

Which number is the largest?	968
Which number is the smallest?	187
Which number has seven hundreds?	791
Which number has zero tens and zero ones?	200

What is Place Value?

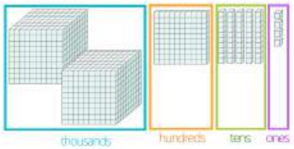
Place Value is the concept that the **place** of a digit in a number determines its **value**. For example, the number 3 has a different value in each of the following numbers:





All about the number 2,154:

thousands	hundreds	tens	ones
2	1	5	4



Two thousand one hundred fifty-four

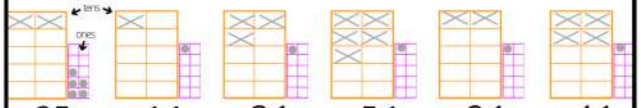
2000	+	100	+	50	+	4
thousands		hundreds		tens		ones

1. How many ones are in the number 2,154? 4
2. How many hundreds are in this number? 1
3. How many thousands are in this number? 2
4. How many tens are in this number? 5
5. Which number is in the hundreds place? 1
6. Which number is in the thousands place? 2
7. Which number is in the ones place? 4

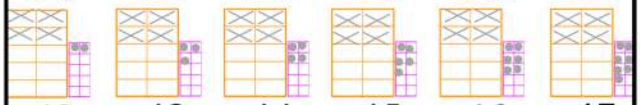
Write the numbers 1, 2 and 10 more and less than each given number.

10 Less	2 Less	1 Less	Number	1 More	2 More	10 More
17	25	26	27	28	29	37
29	37	38	39	40	41	49
44	52	53	54	55	56	64
38	46	47	48	49	50	58

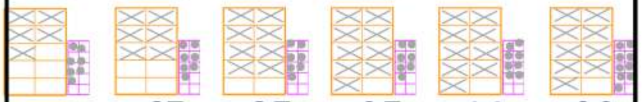
Complete these ten frames to show each number. Draw dots to represent ONES and X's to represent TENS.



25	11	31	51	21	41
tens ones	tens ones	tens ones	tens ones	tens ones	tens ones



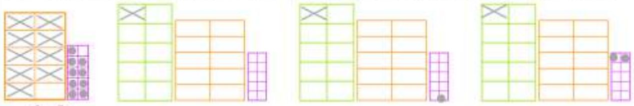
42	43	44	45	46	47
tens ones	tens ones	tens ones	tens ones	tens ones	tens ones



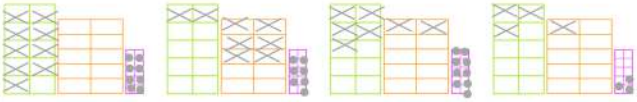
57	67	87	97	98	99
tens ones	tens ones	tens ones	tens ones	tens ones	tens ones

Season ______________________________

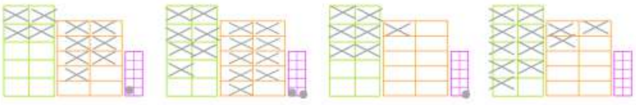
Complete these ten frames to show each number. Draw dots to represent ONES and X's to represent TENS and HUNDREDS. Read each number aloud.



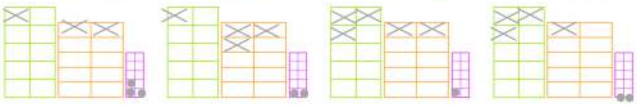
99	100	101	102
tens ones	hundreds tens ones	hundreds tens ones	hundreds tens ones



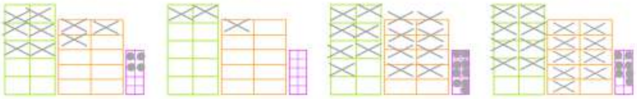
808	267	529	313
hundreds tens ones	hundreds tens ones	hundreds tens ones	hundreds tens ones



471	792	611	930
hundreds tens ones	hundreds tens ones	hundreds tens ones	hundreds tens ones



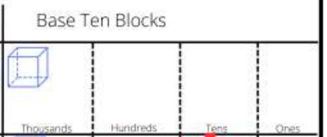
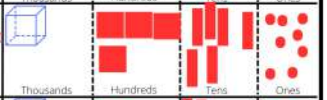
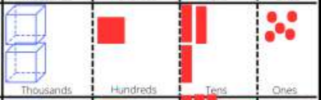
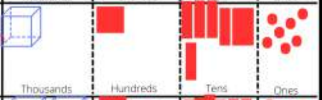
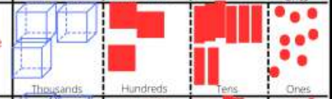
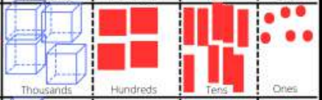
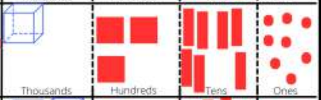
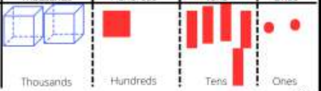
123	132	321	312
hundreds tens ones	hundreds tens ones	hundreds tens ones	hundreds tens ones



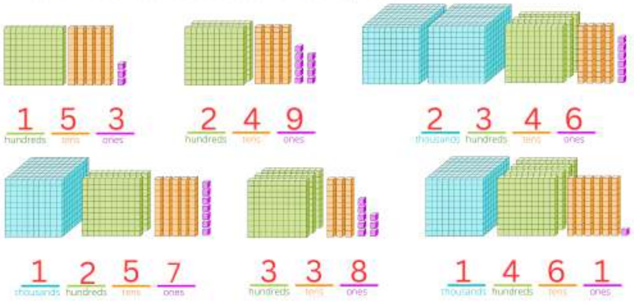
634	210	789	897
hundreds tens ones	hundreds tens ones	hundreds tens ones	hundreds tens ones

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	
1,468 One thousand four hundred sixty-eight 1000 400 60 8 Thousands Hundreds Tens Ones	
2,135 Two thousand one hundred thirty-five 2000 100 30 5 Thousands Hundreds Tens Ones	
1,177 One thousand one hundred seventy-seven 1000 100 70 7 Thousands Hundreds Tens Ones	
3,389 three thousand three hundred eighty-nine 3000 300 80 9 Thousands Hundreds Tens Ones	
4,496 Four thousand four hundred ninety-six 4000 400 90 6 Thousands Hundreds Tens Ones	
1,378 One thousand three hundred seventy-eight 1000 300 70 8 Thousands Hundreds Tens Ones	
2,152 Two thousand one hundred fifty-two 2000 100 50 2 Thousands Hundreds Tens Ones	

What numbers do these base ten blocks represent?



1 5 3 (hundreds, tens, ones)

2 4 9 (hundreds, tens, ones)

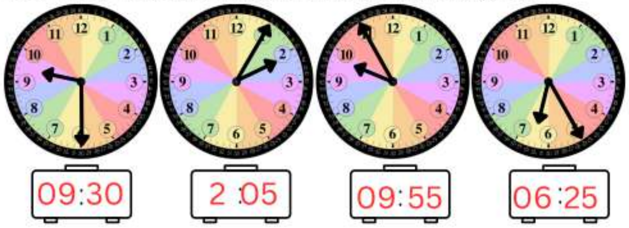
2 3 4 6 (thousands, hundreds, tens, ones)

1 2 5 7 (thousands, hundreds, tens, ones)

3 3 8 (hundreds, tens, ones)

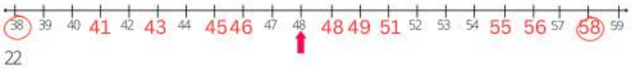
1 4 6 1 (thousands, hundreds, tens, ones)

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.



09:30 2:05 09:55 06:25

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 41 42 43 44 4546 47 48 4849 51 52 53 54 55 56 57 58 59

Use your reference calendar to answer the following questions:

Date ______________________________

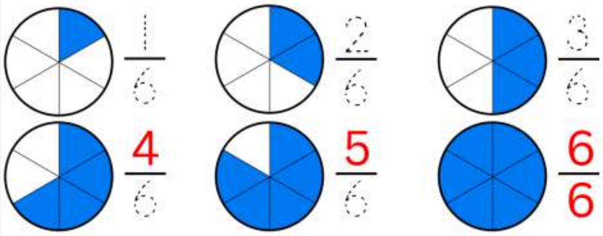
What will be the date tomorrow? ______________________________

How many Sundays are in this month? ______________________________

answer may vary

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

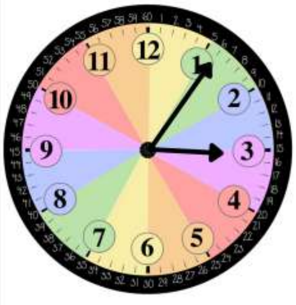
Label the fractions, then name them aloud. Remember, the DENOMINATOR (bottom) of a fraction tells you how many pieces the shape is divided into. The NUMERATOR (top) tells you how many pieces you HAVE.



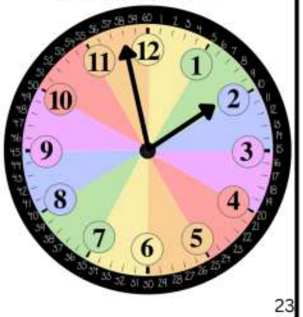
$\frac{1}{6}$ $\frac{2}{6}$ $\frac{3}{6}$

$\frac{4}{6}$ $\frac{5}{6}$ $\frac{6}{6}$

Draw hands on the clock below to show 3:06.

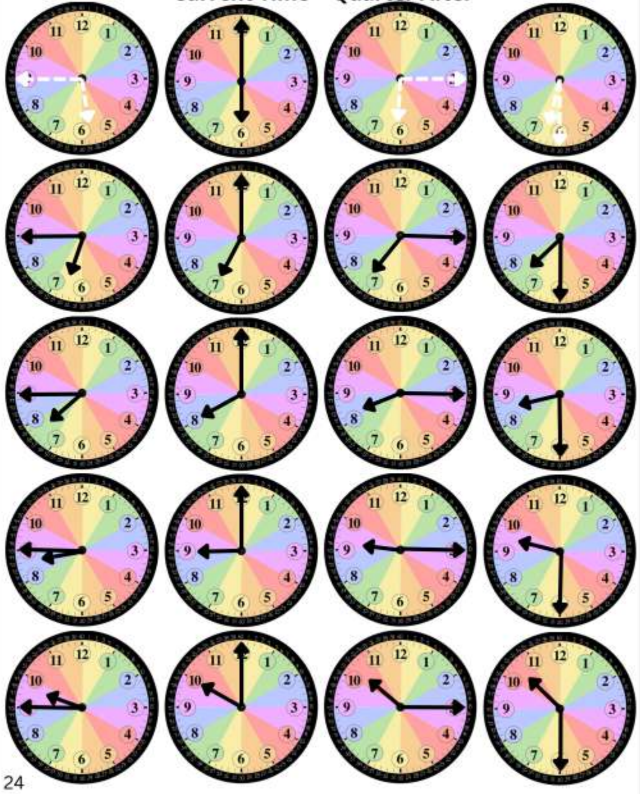


Draw hands on the clock below to show 1:58.



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.

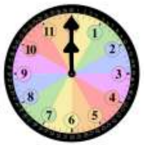
Quarter Before **Current Time** **Quarter After** **Half Past**



Let's practice time nicknames! Write the time on the digital clock and draw the clock hands to match.

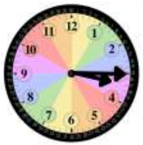
Noon

12:00



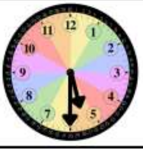
Quarter past three

3 :15



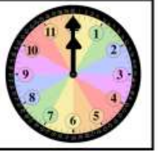
Half past five

5 :30



Midnight

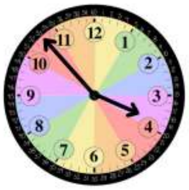
12:00

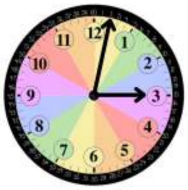


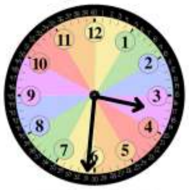
Fill in the missing numbers, then color the squares with EVEN numbers yellow.

101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

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





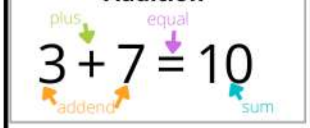


12 : 15

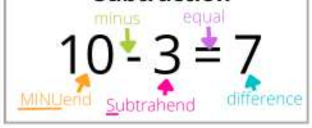
6 : 31

Date

Addition


plus
equal
3 + 7 = 10
addend
addend
sum

Subtraction


minus
equal
10 - 3 = 7
MINUend
Subtrahend
difference

Fill in the missing addends to complete each number sentence.

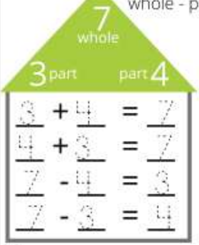
$5 + \boxed{5} = 10$
$\boxed{2} + 3 = 5$
$2 + \boxed{6} = 8$
$4 + \boxed{5} = 9$
$\boxed{3} + 4 = 7$
$3 + \boxed{3} = 6$
$\boxed{6} + 3 = 9$

$3 + \boxed{1} = 4$
$\boxed{5} + 0 = 5$
$2 + \boxed{2} = 4$
$4 + \boxed{1} = 4$
$\boxed{1} + 5 = 6$
$2 + \boxed{4} = 6$
$\boxed{4} + 1 = 5$

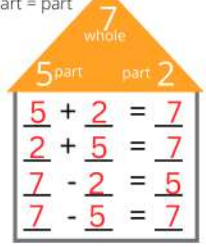
$1 + \boxed{8} = 9$
$\boxed{2} + 7 = 9$
$4 + \boxed{4} = 8$
$2 + \boxed{5} = 7$
$\boxed{8} + 2 = 10$
$6 + \boxed{4} = 10$
$\boxed{7} + 3 = 10$

Complete these Fact Families.

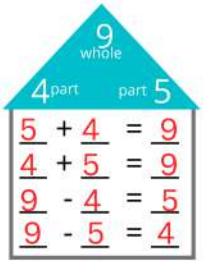
part + part = whole
whole - part = part


7
whole
3 part
part 4

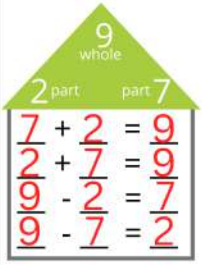
3 + 4 = 7
4 + 3 = 7
7 - 4 = 3
7 - 3 = 4


7
whole
5 part
part 2

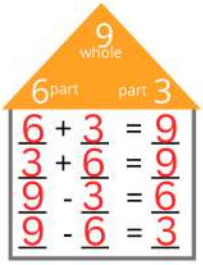
5 + 2 = 7
2 + 5 = 7
7 - 2 = 5
7 - 5 = 7


9
whole
4 part
part 5

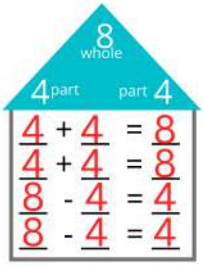
5 + 4 = 9
4 + 5 = 9
9 - 4 = 5
9 - 5 = 4


9
whole
2 part
part 7

7 + 2 = 9
2 + 7 = 9
9 - 2 = 7
9 - 7 = 2

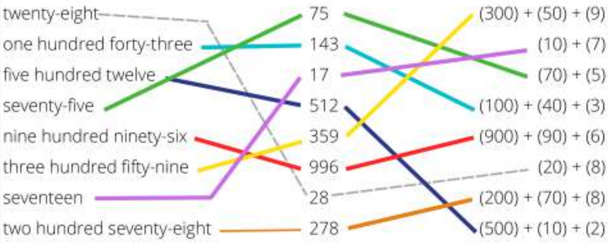

9
whole
6 part
part 3

6 + 3 = 9
3 + 6 = 9
9 - 3 = 6
9 - 6 = 3


8
whole
4 part
part 4

4 + 4 = 8
4 + 4 = 8
8 - 4 = 4
8 - 4 = 4

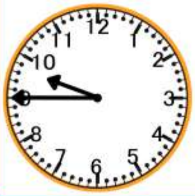
Draw lines to match the numbers across all three columns.



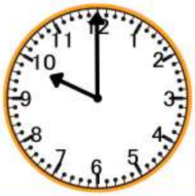
twenty-eight	75	(300) + (50) + (9)
one hundred forty-three	143	(10) + (7)
five hundred twelve	17	(70) + (5)
seventy-five	512	(100) + (40) + (3)
nine hundred ninety-six	359	(900) + (90) + (6)
three hundred fifty-nine	996	(20) + (8)
seventeen	28	(200) + (70) + (8)
two hundred seventy-eight	278	(500) +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

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

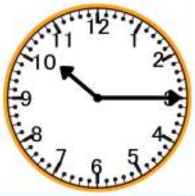
Quarter before ten



Ten o'clock



Quarter after ten



Date

What is the date tomorrow?

Find the sums.

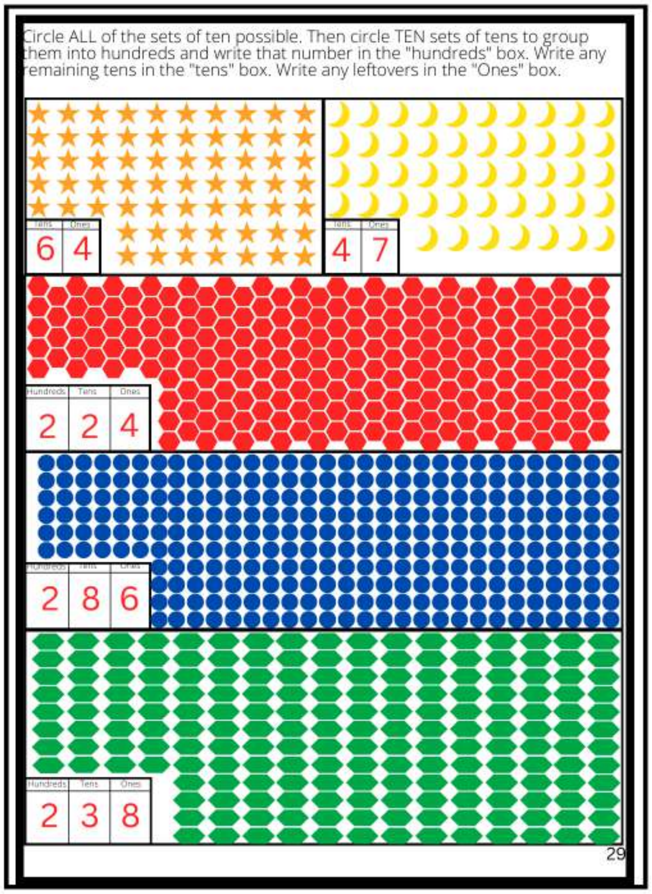
21	20	24	51	21
+ 33	+ 72	+ 63	+ 14	+ 45
15	31	53	61	41
+ 23	+ 44	+ 30	+ 32	+ 30

Find the differences.

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



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.

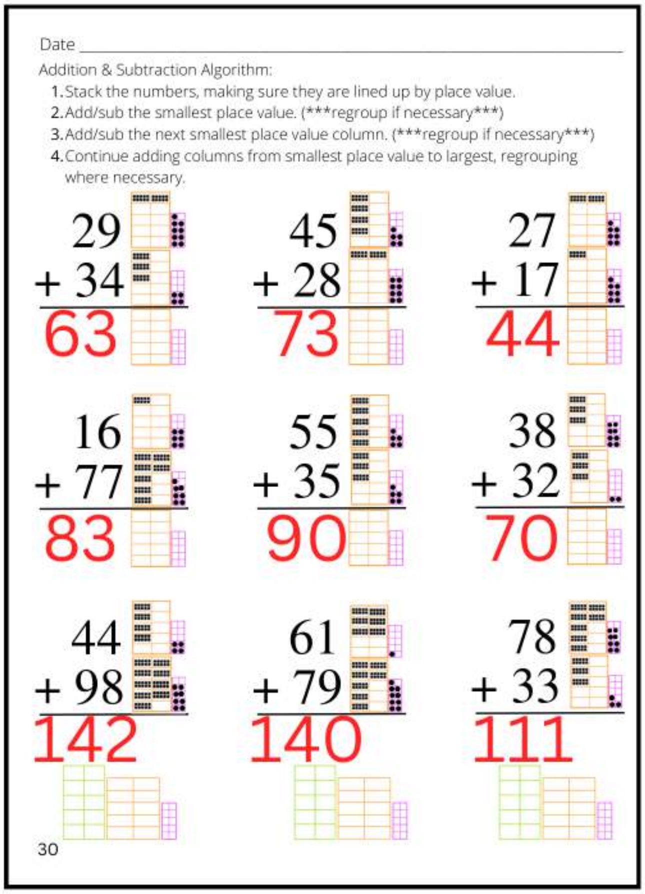
Tens	Ones
6	4

Tens	Ones
4	7

Hundreds	Tens	Ones
2	2	4

Hundreds	Tens	Ones
2	8	6

Hundreds	Tens	Ones
2	3	8



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.

29
+ 34
63

45
+ 28
73

27
+ 17
44

16
+ 77
83

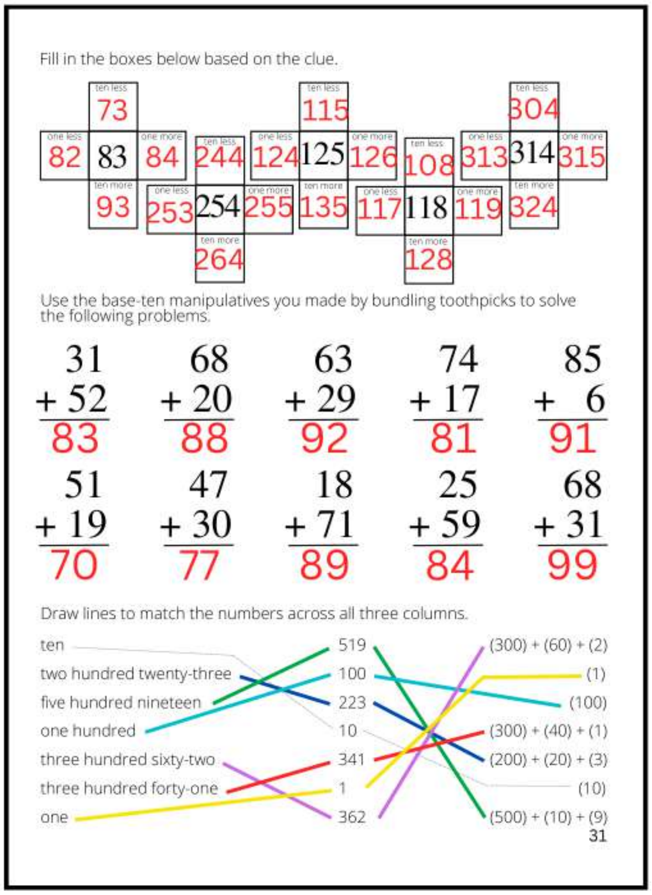
55
+ 35
90

38
+ 32
70

44
+ 98
142

61
+ 79
140

78
+ 33
111



Fill in the boxes below based on the clue.

ten less	one less	center	one more	ten more
73	82	83	84	93
244	253	254	255	264
115	124	125	126	135
108	117	118	119	128
304	313	314	315	324

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

31
+ 52
83

68
+ 20
88

63
+ 29
92

74
+ 17
81

85
+ 6
91

51
+ 19
70

47
+ 30
77

18
+ 71
89

25
+ 59
84

68
+ 31
99

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¢
48¢
COLORED PENCIL 72
43¢
OIL

37¢
+54¢
91

48¢
+43¢
91

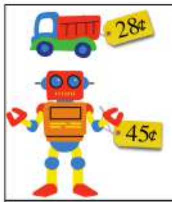
Write ten less and ten more than each number.

3, 13, 23
12, 22, 32
74, 84, 94
62, 72, 82
37, 47, 57
53, 63, 73

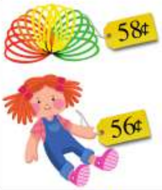
1, 11, 21
10, 20, 30
40, 50, 60
66, 76, 86
5, 15, 25
15, 25, 35

14, 24, 34
7, 17, 27
25, 35, 45
26, 36, 46
31, 41, 51
63, 73, 83

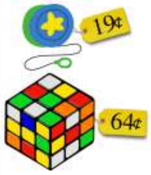
Add the items together to figure out the total cost.



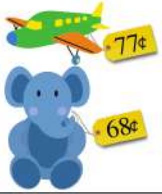
28¢
+45¢
73



58¢
+56¢
114



19¢
+64¢
83



77¢
+68¢
145

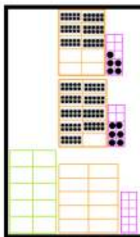
Fill in the missing numbers.

96	97	98	99	100	101	102	103	104	105

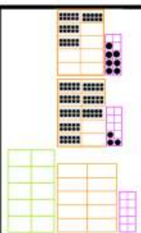
Use the base-ten manipulatives you made by bundling toothpicks to help you solve the following problems.

45	18	24	34	54
+ 56	+ 72	+ 39	+ 60	+ 36
101	90	63	94	90
53	27	29	75	38
+ 28	+ 20	+ 31	+ 19	+ 43
81	47	60	94	81

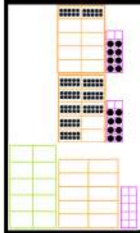
Date ______________________________



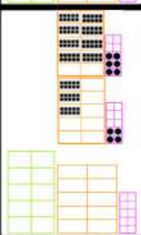
65
+ 96
161



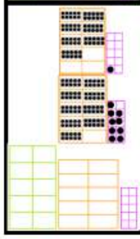
47
+ 83
130



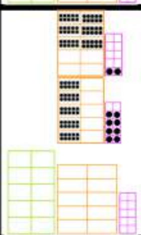
28
+ 88
161



86
+ 34
120



71
+ 99
161

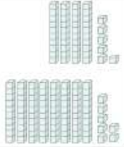


62
+ 58
120

Fill in the missing numbers.

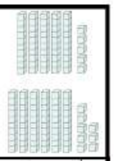
98	99	100	101	102	103	104	105	106	107

46
+87
133



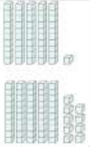
hundreds	tens	ones
1	3	3

55
+68
123



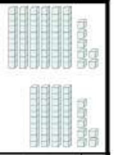
hundreds	tens	ones
1	2	3

51
+59
110



hundreds	tens	ones
1	1	0

67
+47
114



hundreds	tens	ones
1	1	4

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

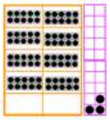
53	81	61	30	75
+ 67	+ 29	+ 58	+ 98	+ 46
120	110	119	128	121
43	80	28	14	48
+ 69	+ 37	+ 92	+ 89	+ 51
112	117	120	103	99

Date ______________________________

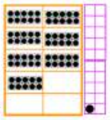
Look at the ONES column:

More on TOP? Don't STOP.
More on FLOOR? Go next door to get ten MORE.
Numbers the SAME? Zero is your game.

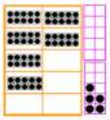
83
-64
19



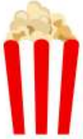
71
-38
33



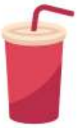
65
-19
46



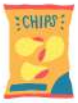
You have 100 cents and you want to buy TWO snacks for the movie. Find four different combinations of snacks you could buy. Remember to regroup.



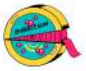
55¢



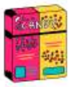
45¢



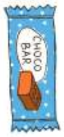
36¢



37¢



29¢



35¢

popcorn ____ 55 ¢
chips ____ + 36 ¢
____ ¢

____ ☐ ¢
____ + ☐ ¢
____ ¢

____ ☐ ¢
____ + ☐ ¢
____ ¢

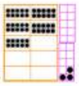
____ ☐ ¢
____ + ☐ ¢
____ ¢

answer may vary

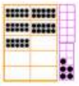
Find the differences.

81
-33
48

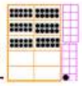
53
-47
6



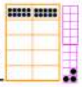
55
-28
27



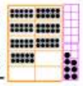
61
-17
44



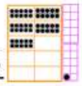
23
-19
4



77
-59
18

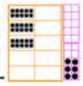


51
-26
25

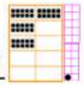


40
-19
21

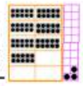
36
-27
9



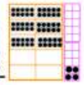
41
-23
18



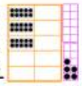
73
-55
18



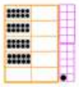
64
-38
26



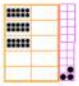
35
-22
13



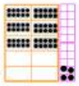
41
-21
20



33
-11
22



64
-24
40



Fill in the missing numbers.

191	192	193	194	195	196	197	198	199	200
201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230

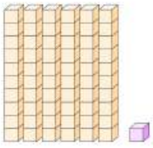
---

coloring page

Date ____________________

Find the difference.

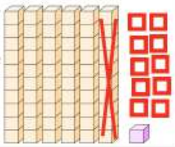
61
-39
22



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

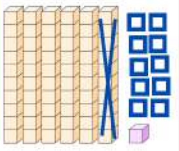
61
-39
22

more on floor



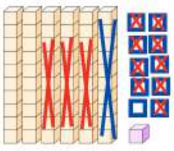
Step 2: Regroup your DIGITS to show that you moved a TEN to the ONES column.

5
$\cancel{6}$11
-39
22



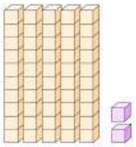
Step 3: Subtract the ones column then the tens column. Cross out blocks you subtract.

5
$\cancel{6}$11
-39
22

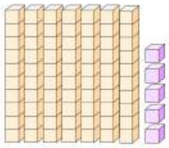


Follow the 3 steps above to find the differences below.

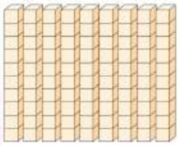
52
-18
34



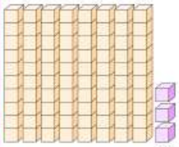
75
-28
47



90
-57
33



83
-34
49

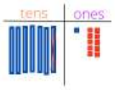


Draw your own base ten block chart to help you find the differences.

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
$\cancel{7}$11
-29

Finish this problem →



41
-22
19

tens | ones

33
-19
14

tens | ones

70
-37
33

tens | ones

65
-46
19

tens | ones

54
-35
19

tens | ones

82
-58
24

tens | ones

91
-67
24

tens | ones

30
-11
19

tens | ones

What do **whales** chew?

13	37	41	13	33	47	16		71	41	19
B	L	U	B	B	E	R		G	U	M

G 83 - 12 = 71

M 50 - 31 = 19

B 48 - 35 = 13

E 75 - 28 = 47

L 61 - 24 = 37

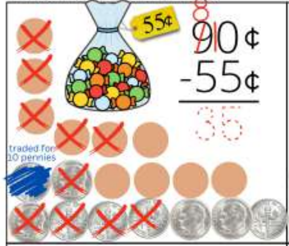
R 33 - 17 = 16

U 96 - 55 = 41

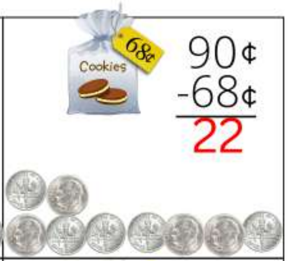
B 59 - 26 = 33

Date

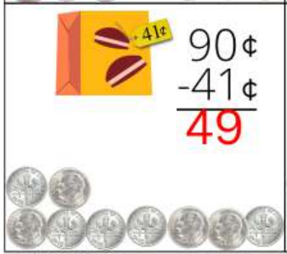
You earned 90¢. You want to buy a treat to share with your brother. How much money will you have left? You'll need to trade a dime (scribble out the dime) for ten pennies (draw them) first.



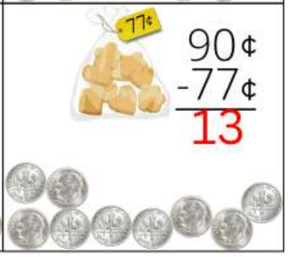
8
~~9~~0¢
-55¢
35



90¢
-68¢
22



90¢
-41¢
49



90¢
-77¢
13

Find the differences.

31	25	60	82	43
- 12	- 22	- 34	- 35	- 29
19	3	26	47	14
54	71	24	98	76
- 28	- 57	- 16	- 72	- 56
26	14	8	26	20

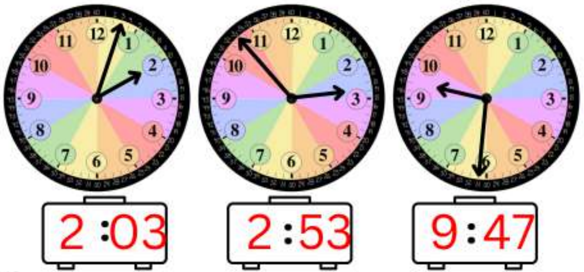
Draw lines to match the numbers across all three columns.

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
81

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



2:03

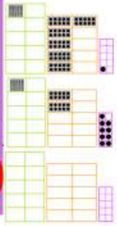
2:53

9:47

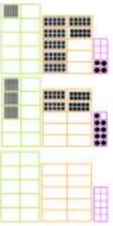
Date

Find the sums.

161
+129
290

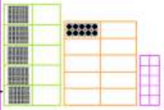


174
+349
523

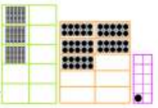


Find the differences.

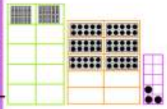
510
-339
171



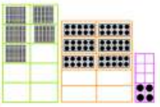
351
-165
186



263
-137
126



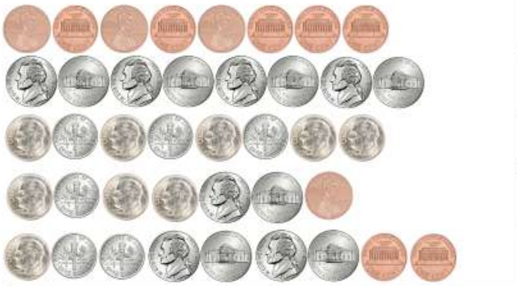
564
-198
366



Find the sums.

313	495	218	485
+198	+306	+193	+397
511	801	411	882

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



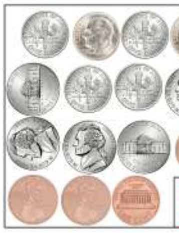
8 ¢

40¢

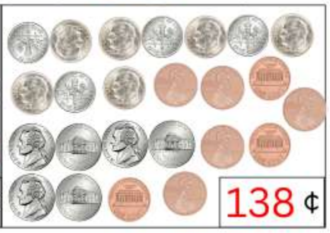
80¢

51¢

52¢

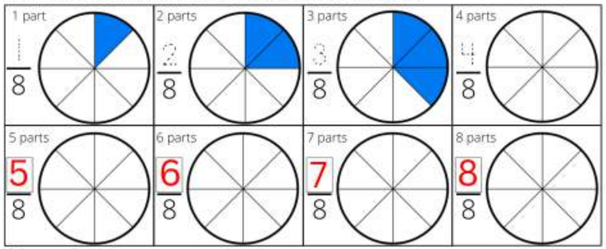


105¢



138 ¢

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

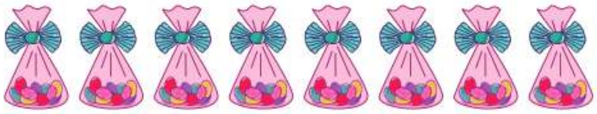


$\frac{1}{8}$	$\frac{2}{8}$	$\frac{3}{8}$	$\frac{4}{8}$
$\frac{5}{8}$	$\frac{6}{8}$	$\frac{7}{8}$	$\frac{8}{8}$

Date ____________________

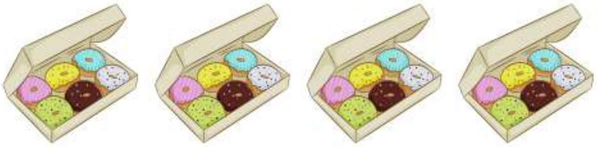
Day of the week ____________________

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



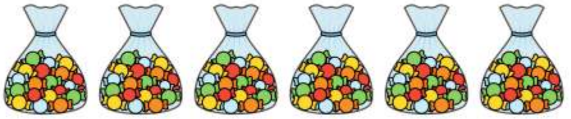
10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 = 80

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



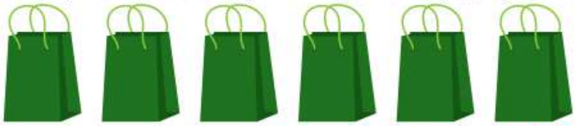
6 + 6 + 6 + 6 = 24

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 + 20 + 20 + 20 = 120

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



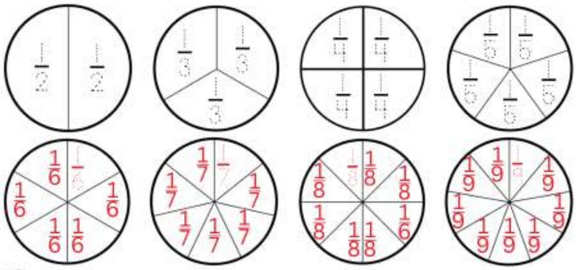
7 + 7 + 7 + 7 + 7 + 7 = 42

7 x 6 = 42

Find the sums.

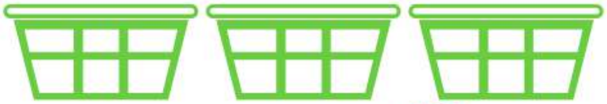
$$\begin{array}{r} 215 \\ +\ 98 \\ \hline 313 \end{array} \qquad \begin{array}{r} 299 \\ +101 \\ \hline 400 \end{array} \qquad \begin{array}{r} 178 \\ +170 \\ \hline 248 \end{array} \qquad \begin{array}{r} 194 \\ +323 \\ \hline 517 \end{array}$$

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.



Date ____________________

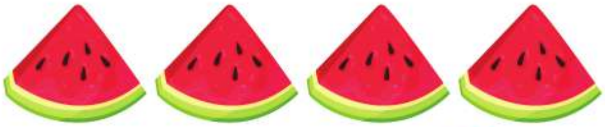
Draw four strawberries in each basket. Then complete the number sentences below.



4 + 4 + 4 = 12

4 x 3 = 12

Each watermelon slice has FIVE seeds. Complete the number sentences below.



5 + 5 + 5 + 5 = 20

5 x 4 = 20

Draw 3 pairs of shoes. How many shoes is that? 6

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

$$\begin{array}{r} 56 \\ -28 \\ \hline 28 \end{array} \qquad \begin{array}{r} 83 \\ -54 \\ \hline 29 \end{array} \qquad \begin{array}{r} 61 \\ -14 \\ \hline 47 \end{array} \qquad \begin{array}{r} 35 \\ -19 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 92 \\ -35 \\ \hline 57 \end{array} \qquad \begin{array}{r} 44 \\ -38 \\ \hline 6 \end{array} \qquad \begin{array}{r} 73 \\ -27 \\ \hline 28 \end{array} \qquad \begin{array}{r} 50 \\ -23 \\ \hline 27 \end{array}$$

tens	ones

tens	ones

tens	ones

tens	ones

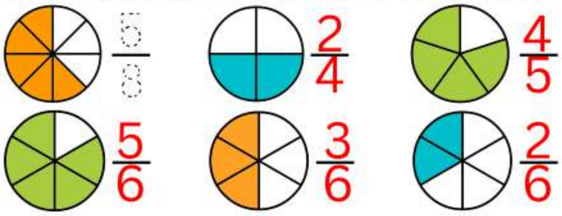
tens	ones

tens	ones

tens	ones

tens	ones

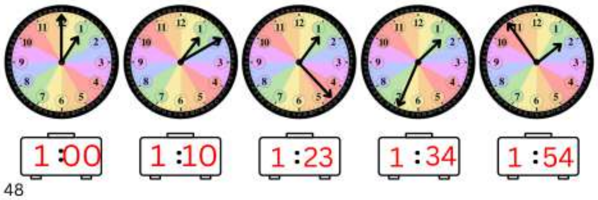
Label the fractions, then name them aloud. Remember, the DENOMINATOR (bottom) of a fraction tells you how many pieces the shape is divided into. The NUMERATOR (top) tells you how many pieces you HAVE (they're colored).



$\frac{5}{8}$ $\frac{2}{4}$ $\frac{4}{5}$

$\frac{5}{6}$ $\frac{3}{6}$ $\frac{2}{6}$

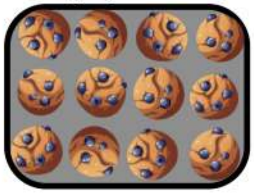
What time is shown on these clocks? Write the time on the digital clock below.



1:00 1:10 1:23 1:34 1:54

Date ____________________

It's baking day!



3 rows with 4 muffins each

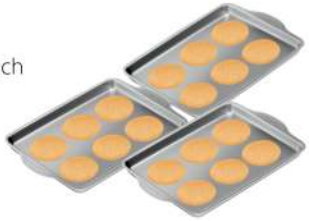
There are 12 muffins total.

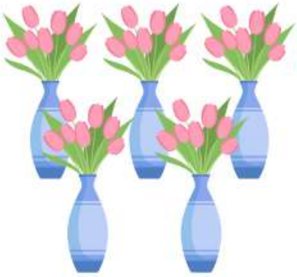
3 x 4 = 12

3 pans with 6 cookies each

There are 18 cookies total.

3 x 6 = 18





5 vases with 7 tulips each

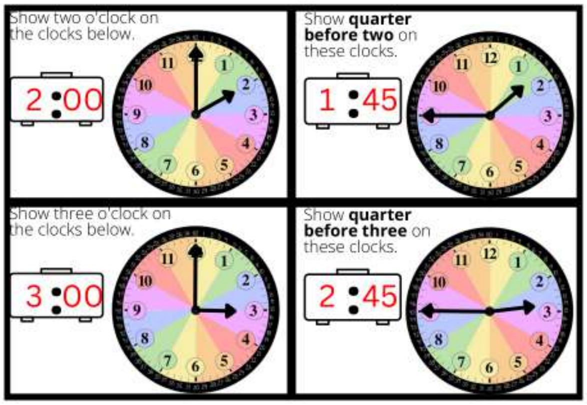
There are 35 tulips total.

5 x 7 = 35

Fill in the missing numbers to count BEYOND 100.

94	95	96	97	98	99	100	101	102	103
104	105	106	107	108	109	110	111	112	113

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

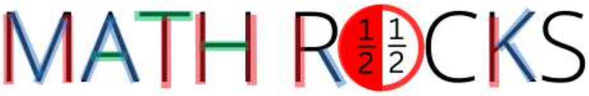

Show two o'clock on the clocks below.

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.



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.

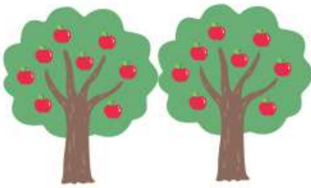
0 x 10 = 0
0 x 3 = 0
0 x 9 = 0
0 x 5 = 0
0 x 11 = 0

1 x 7 = 7
1 x 2 = 2
1 x 12 = 12
1 x 1 = 1
1 x 8 = 8

0 x 2 = 0
1 x 4 = 4
1 x 5 = 5
0 x 1 = 0
1 x 10 = 10

Find the sums.

$$\begin{array}{r} 95 \\ +\ 87 \\ \hline 182 \end{array} \qquad \begin{array}{r} 149 \\ +\ 103 \\ \hline 252 \end{array} \qquad \begin{array}{r} 132 \\ +\ 178 \\ \hline 310 \end{array} \qquad \begin{array}{r} 154 \\ +\ 153 \\ \hline 312 \end{array}$$

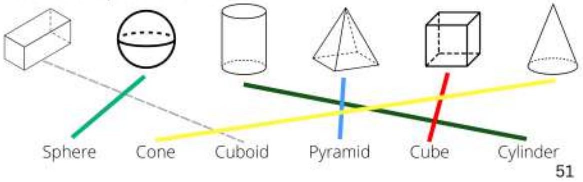


2 trees with 8 apples each

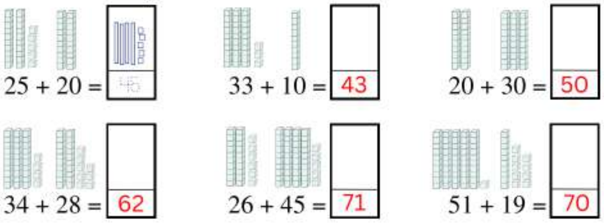
There are 16 apples total.

2 x 8 = 16

Match the shapes to their names.

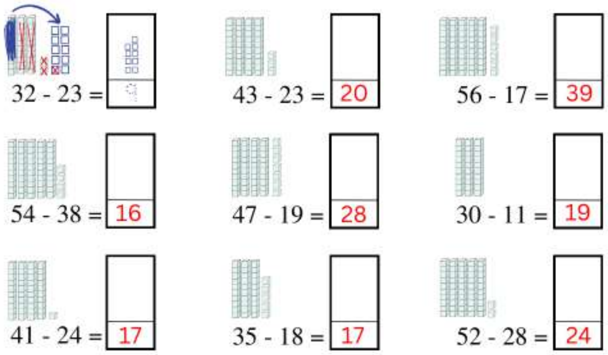


Draw the total using base ten blocks, then write the SUM.

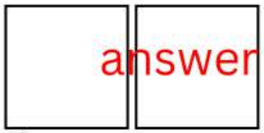


25 + 20 = 45
33 + 10 = 43
20 + 30 = 50
34 + 28 = 62
26 + 45 = 71
51 + 19 = 70

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.

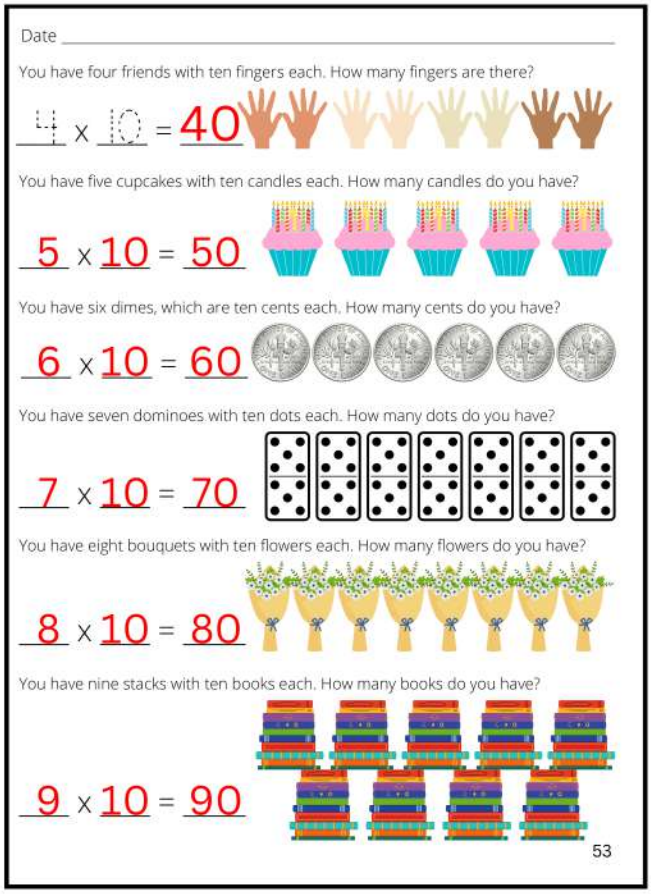


32 - 23 = 9
43 - 23 = 20
56 - 17 = 39
54 - 38 = 16
47 - 19 = 28
30 - 11 = 19
41 - 24 = 17
35 - 18 = 17
52 - 28 = 24



answer may vary

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 = 40

You have five cupcakes with ten candles each. How many candles do you have?

5 x 10 = 50

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

6 x 10 = 60

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

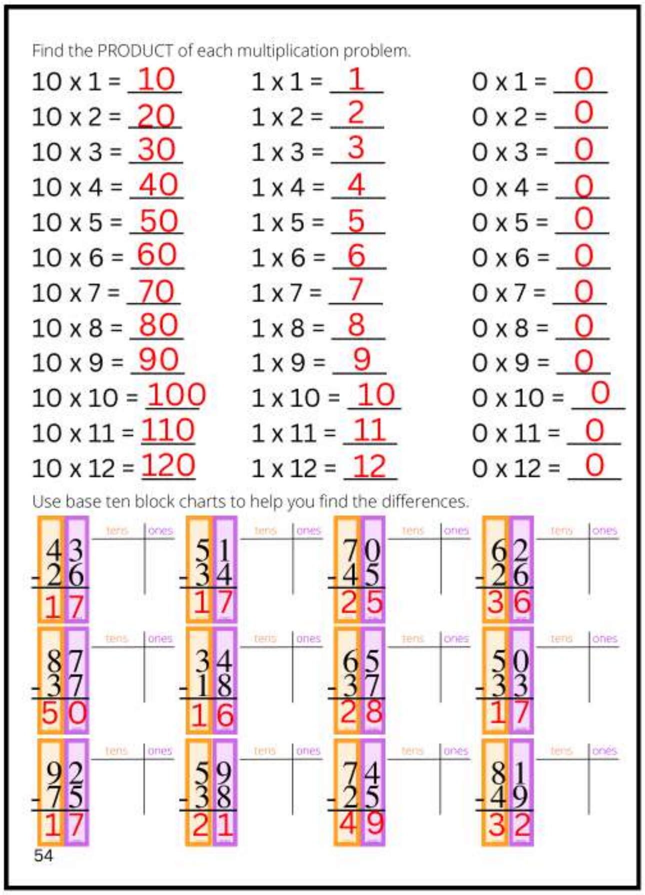
7 x 10 = 70

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

8 x 10 = 80

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

9 x 10 = 90



Find the PRODUCT of each multiplication problem.

10 x 1 = 10
10 x 2 = 20
10 x 3 = 30
10 x 4 = 40
10 x 5 = 50
10 x 6 = 60
10 x 7 = 70
10 x 8 = 80
10 x 9 = 90
10 x 10 = 100
10 x 11 = 110
10 x 12 = 120

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

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

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

$\begin{array}{r}43\\-26\\\hline 17\end{array}$ tens ones

$\begin{array}{r}51\\-34\\\hline 17\end{array}$ tens ones

$\begin{array}{r}70\\-45\\\hline 25\end{array}$ tens ones

$\begin{array}{r}62\\-26\\\hline 36\end{array}$ tens ones

$\begin{array}{r}87\\-37\\\hline 50\end{array}$ tens ones

$\begin{array}{r}34\\-18\\\hline 16\end{array}$ tens ones

$\begin{array}{r}65\\-37\\\hline 28\end{array}$ tens ones

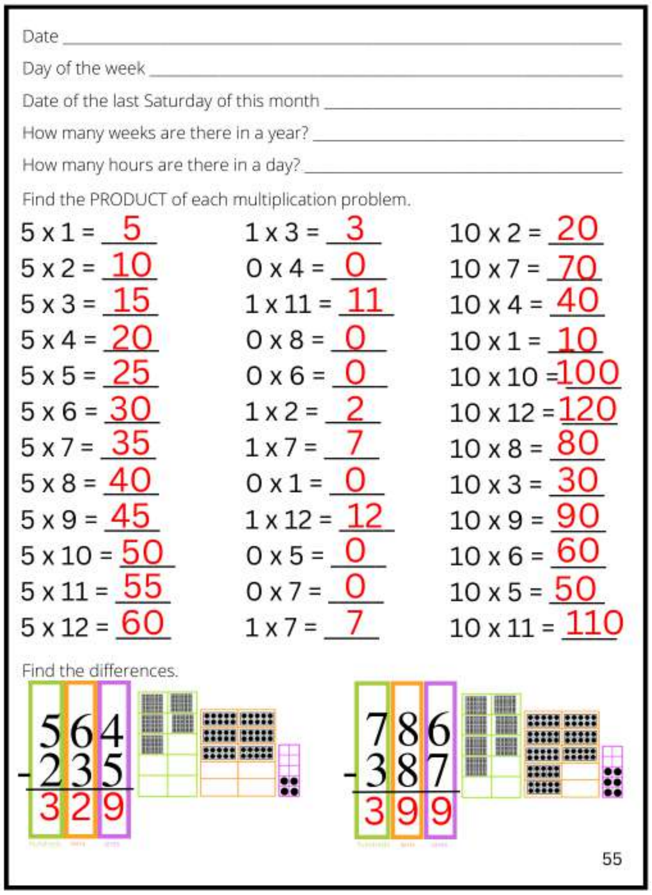
$\begin{array}{r}50\\-33\\\hline 17\end{array}$ tens ones

$\begin{array}{r}92\\-75\\\hline 17\end{array}$ tens ones

$\begin{array}{r}59\\-38\\\hline 21\end{array}$ tens ones

$\begin{array}{r}74\\-25\\\hline 49\end{array}$ tens ones

$\begin{array}{r}81\\-49\\\hline 32\end{array}$ tens ones



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 = 5
5 x 2 = 10
5 x 3 = 15
5 x 4 = 20
5 x 5 = 25
5 x 6 = 30
5 x 7 = 35
5 x 8 = 40
5 x 9 = 45
5 x 10 = 50
5 x 11 = 55
5 x 12 = 60

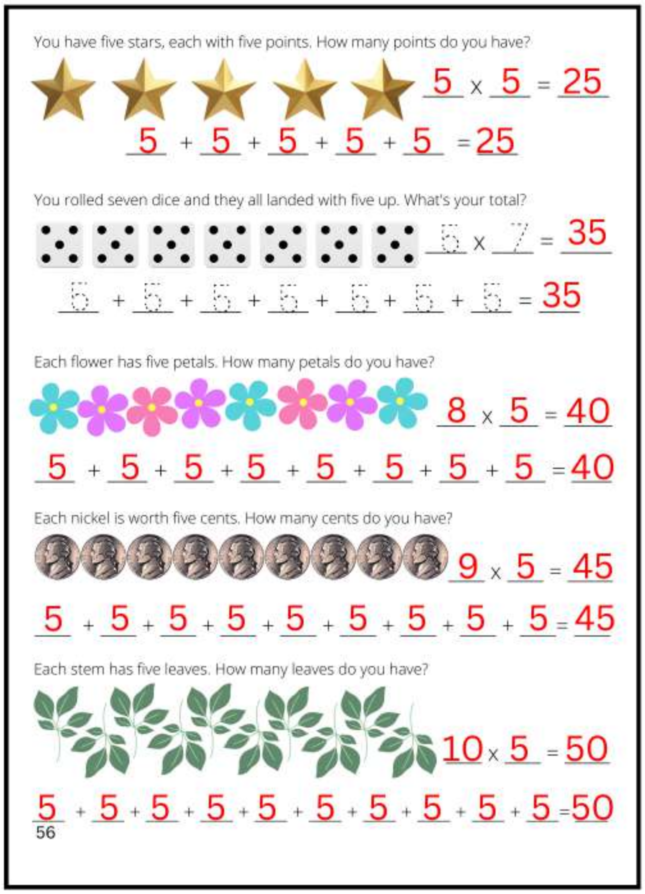
1 x 3 = 3
0 x 4 = 0
1 x 11 = 11
0 x 8 = 0
0 x 6 = 0
1 x 2 = 2
1 x 7 = 7
0 x 1 = 0
1 x 12 = 12
0 x 5 = 0
0 x 7 = 0
1 x 7 = 7

10 x 2 = 20
10 x 7 = 70
10 x 4 = 40
10 x 1 = 10
10 x 10 = 100
10 x 12 = 120
10 x 8 = 80
10 x 3 = 30
10 x 9 = 90
10 x 6 = 60
10 x 5 = 50
10 x 11 = 110

Find the differences.

$\begin{array}{r}564\\-235\\\hline 329\end{array}$

$\begin{array}{r}786\\-387\\\hline 399\end{array}$



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

5 x 5 = 25

5 + 5 + 5 + 5 + 5 = 25

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

5 x 7 = 35

5 + 5 + 5 + 5 + 5 + 5 + 5 = 35

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

8 x 5 = 40

5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = 40

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

9 x 5 = 45

5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = 45

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

10 x 5 = 50

5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = 50

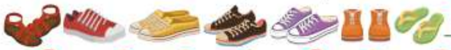
Date

2 x 1 = 2
2 x 2 = 4
2 x 3 = 6
2 x 4 = 8
2 x 5 = 10
2 x 6 = 12
2 x 7 = 14
2 x 8 = 16
2 x 9 = 18
2 x 10 = 20
2 x 11 = 22
2 x 12 = 24

5 x 3 = 15
5 x 4 = 20
5 x 11 = 55
5 x 8 = 40
5 x 6 = 30
5 x 2 = 10
5 x 10 = 50
5 x 1 = 5
5 x 12 = 60
5 x 5 = 25
5 x 7 = 35
5 x 9 = 45

10 x 9 = 90
10 x 7 = 70
10 x 4 = 40
10 x 2 = 20
10 x 12 = 120
10 x 10 = 100
10 x 8 = 80
10 x 3 = 30
10 x 5 = 50
10 x 1 = 10
10 x 11 = 110
10 x 6 = 60

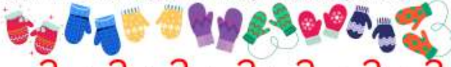
Each PAIR is two shoes. How many shoes do you have?



7 x 2 = 14

2 + 2 + 2 + 2 + 2 + 2 + 2 = 14

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



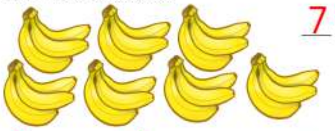
8 x 2 = 16

2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 16

Fill in the missing numbers.

93	94	95	96	97	98	99	100	101	102

Let's make smoothies!



7 bunches with 3 bananas each

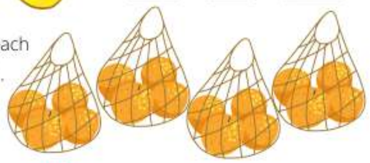
There are 21 bananas total.

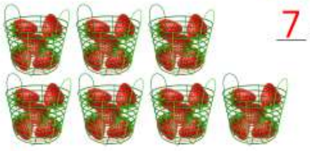
7 x 3 = 21

4 bags with 4 oranges each

There are 16 oranges total.

4 x 4 = 16





7 baskets with 5 strawberries each

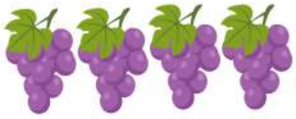
There are 35 strawberries total.

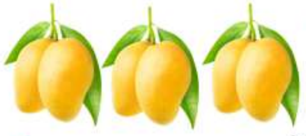
7 x 7 = 35

4 bunches with 11 grapes each

There are 44 grapes total.

4 x 11 = 44





3 groups with 2 mangoes each

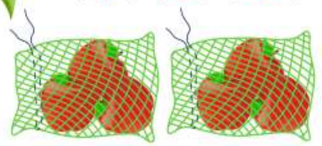
There are 6 mangoes total.

3 x 2 = 6

2 bags with 3 apples each

There are 6 apples total.

2 x 3 = 6



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
4 + 5 = 9
2 + 4 = 6
3 + 8 + 4 = 15
5 + 6 + 2 = 13
7 + 1 + 3 = 11
2 + 4 + 3 = 9

3 + 1 = 4
5 + 4 = 9
4 + 2 = 6
8 + 4 + 3 = 15
2 + 5 + 6 = 13
7 + 3 + 1 = 11
2 + 4 + 2 = 9

Fill in the blanks.

6 + 3 = 3 + 6
3 + 5 = 5 + 3
3 + 1 = 1 + 3
8 + 2 = 2 + 8
5 + 4 = 4 + 5
2 + 4 = 4 + 2
2 + 3 = 3 + 2

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

$$\begin{array}{r} 102 \\ +197 \\ \hline 299 \end{array} \longleftrightarrow \begin{array}{r} 197 \\ +102 \\ \hline 299 \end{array} \qquad \begin{array}{r} 125 \\ +176 \\ \hline 301 \end{array} \longleftrightarrow \begin{array}{r} 176 \\ +125 \\ \hline 301 \end{array}$$

$$\begin{array}{r} 148 \\ +137 \\ \hline 285 \end{array} \longleftrightarrow \begin{array}{r} 137 \\ +148 \\ \hline 285 \end{array} \qquad \begin{array}{r} 159 \\ +181 \\ \hline 340 \end{array} \longleftrightarrow \begin{array}{r} 181 \\ +159 \\ \hline 340 \end{array}$$

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)

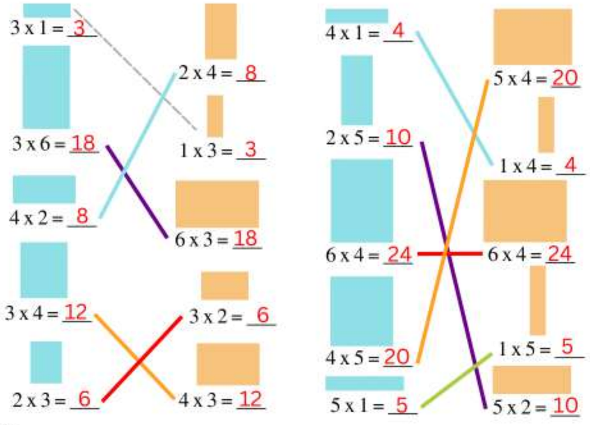
1 x 9 = 9
7 x 4 = 28
4 x 3 = 12
3 x 5 = 15
6 x 3 = 18
5 x 8 = 40
9 x 2 = 18

9 x 1 = 9
4 x 7 = 28
3 x 4 = 12
5 x 3 = 15
3 x 6 = 18
8 x 5 = 40
2 x 9 = 18

Fill in the blanks.

5 x 4 = 4 x 5
6 x 3 = 3 x 6
3 x 5 = 5 x 3
8 x 2 = 2 x 8
3 x 9 = 9 x 3
2 x 4 = 4 x 2
2 x 3 = 3 x 2

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



Date ______________________________

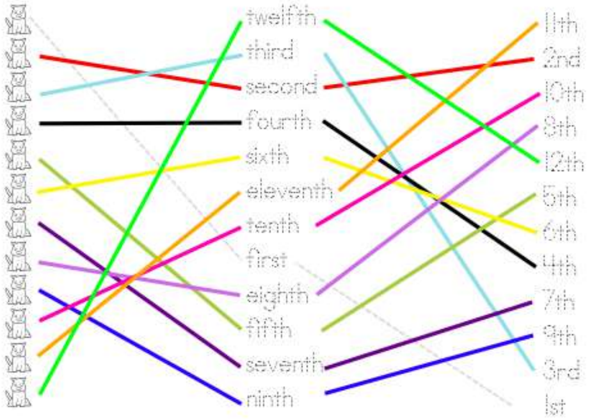
Trace each ordinal number word.

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.

98	99	100	101	102	103	104	105	106	107

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



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

54 - 36 18	31 - 15 16	40 - 21 19	72 - 43 29
83 - 43 40	35 - 16 19	55 - 27 28	60 - 33 27
52 - 17 35	46 - 18 28	74 - 52 22	91 - 39 52

tens | ones

Date ______________________________

What is the day of the week? ______________________________

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

0's	3 x 1 = 03	3 x 2 = 06	3 x 3 = 09
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

-1 -1 -1 -1 -1

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 = 3
3 x 2 = 6
3 x 3 = 9
3 x 4 = 12
3 x 5 = 15
3 x 6 = 18
3 x 7 = 21
3 x 8 = 24
3 x 9 = 27
3 x 10 = 30
3 x 11 = 33
3 x 12 = 36

2 x 1 = 2
2 x 2 = 4
2 x 3 = 6
2 x 4 = 8
2 x 5 = 10
2 x 6 = 12
2 x 7 = 14
2 x 8 = 16
2 x 9 = 18
2 x 10 = 20
2 x 11 = 22
2 x 12 = 24

5 x 1 = 5
5 x 2 = 10
5 x 3 = 15
5 x 4 = 20
5 x 5 = 25
5 x 6 = 30
5 x 7 = 35
5 x 8 = 40
5 x 9 = 45
5 x 10 = 50
5 x 11 = 55
5 x 12 = 60

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	3	9
2	1	2
6	3	

3	4	12
6	2	12
18	8	

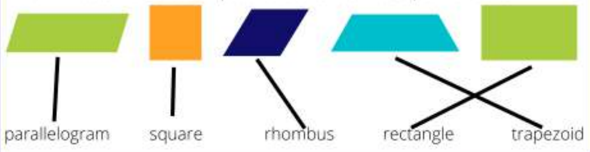
3	7	21
5	3	15
15	21	

3	6	18
8	2	16
24	12	

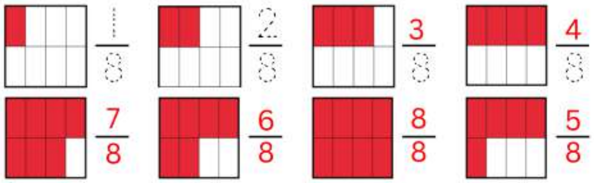
3	8	24
9	5	45
27	40	

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.

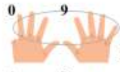


Label the fractions, then name them aloud. Remember, the DENOMINATOR (bottom) of a fraction tells you how many pieces the shape is divided into. The NUMERATOR (top) tells you how many pieces you HAVE.

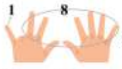


Date ____

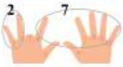
Find the products.



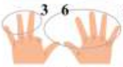
9 x 1 = 9



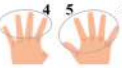
9 x 2 = 18



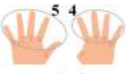
9 x 3 = 27



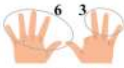
9 x 4 = 36



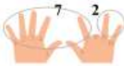
9 x 5 = 45



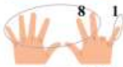
9 x 6 = 54



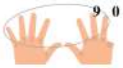
9 x 7 = 63



9 x 8 = 72



9 x 9 = 81



9 x 10= 90

9 x 1 = 09
9 x 2 = 18
9 x 3 = 27
9 x 4 = 36
9 x 5 = 45
9 x 6 = ___
9 x 7 = 54
9 x 8 = 63
9 x 9 = 72
9 x 10 = 81
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?

Find the products.

9 x 1 = 9
9 x 2 = 18
9 x 3 = 27
9 x 4 = 36
9 x 5 = 45
9 x 6 = 54
9 x 7 = 63
9 x 8 = 72
9 x 9 = 81
9 x 10 = 90
9 x 11 = 99
9 x 12 = 108

3 x 1 = 3
3 x 2 = 6
3 x 3 = 9
3 x 4 = 12
3 x 5 = 15
3 x 6 = 18
3 x 7 = 21
3 x 8 = 24
3 x 9 = 27
3 x 10 = 30
3 x 11 = 33
3 x 12 = 36

2 x 1 = 2
2 x 2 = 4
2 x 3 = 6
2 x 4 = 8
2 x 5 = 10
2 x 6 = 12
2 x 7 = 14
2 x 8 = 16
2 x 9 = 18
2 x 10 = 20
2 x 11 = 22
2 x 12 = 24

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

$$\begin{array}{r} 65 \\ -\,26 \\ \hline 39 \end{array} \qquad \begin{array}{r} 85 \\ -\,54 \\ \hline 31 \end{array} \qquad \begin{array}{r} 70 \\ -\,27 \\ \hline 43 \end{array} \qquad \begin{array}{r} 28 \\ -\,19 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 52 \\ -\,23 \\ \hline 29 \end{array} \qquad \begin{array}{r} 64 \\ -\,38 \\ \hline 26 \end{array} \qquad \begin{array}{r} 83 \\ -\,37 \\ \hline 46 \end{array} \qquad \begin{array}{r} 51 \\ -\,21 \\ \hline 30 \end{array}$$

tens | ones

Fill in the blanks with the missing addends.

33 + 5 = 38

21+ 20 = 41

Date ____

Find the products.

4 x 1 = 4
4 x 2 = 8
4 x 3 = 12
4 x 4 = 16
4 x 5 = 20
4 x 6 = 24
4 x 7 = 28
4 x 8 = 32
4 x 9 = 36
4 x 10 = 40
4 x 11 = 44
4 x 12 = 48

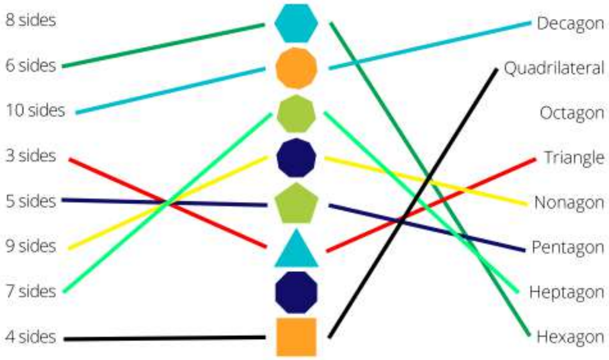
9 x 1 = 9
9 x 2 = 18
9 x 3 = 27
9 x 4 = 36
9 x 5 = 45
9 x 6 = 54
9 x 7 = 63
9 x 8 = 72
9 x 9 = 81
9 x 10 = 90
9 x 11 = 99
9 x 12 = 108

3 x 1 = 3
3 x 2 = 5
3 x 3 = 9
3 x 4 = 12
3 x 5 = 15
3 x 6 = 18
3 x 7 = 21
3 x 8 = 24
3 x 9 = 27
3 x 10 = 30
3 x 11 = 33
3 x 12 = 36

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

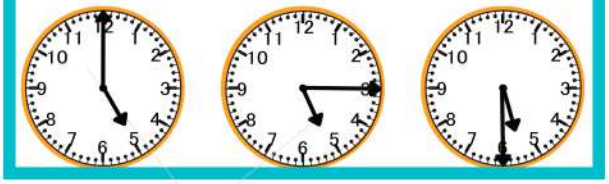
oatc	octa	eight
hatpe	hepta	seven
attre	tetra	four
nnoa	nona	nine
eadc	deca	ten
eanpt	penta	five
eaxh	hexa	six

Draw lines to match the polygons across all three columns.

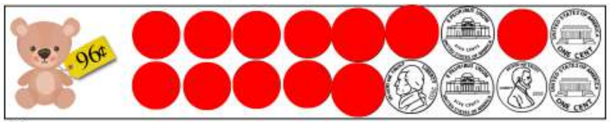


Number each clock face, then draw the hands to show:

Five o'clock | Quarter after five | Half past five



Color the coins needed to buy the teddy bear.



Date

Find the SUMS and DIFFERENCES by adding or subtracting mentally.

23 + 10 = 33
35 - 1 = 34
401 + 10 = 411
134 + 100 = 234
51 - 10 = 41
19 + 1 = 20
212 - 10 = 202
173 + 100 = 273

77- 10 = 67
445 - 100 = 345
127 - 10 = 117
241 + 100 = 341
58 - 10 = 48
316 + 10 = 326
255 - 100 = 155
255 + 100 = 355

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

9	2	18
3	5	15
27	10	

9	6	54
5	4	20
45	24	

9	8	72
4	2	8
36	16	

9	4	36
9	3	27
81	12	

9	3	27
2	6	12
18	18	

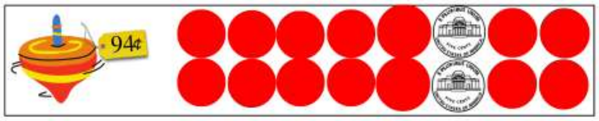
9	5	45
7	1	7
63	5	

9	7	63
6	3	18
54	21	

9	9	81
8	5	40
72	45	

9	4	36
5	2	10
45	8	

Color the coins needed to buy the toy top.



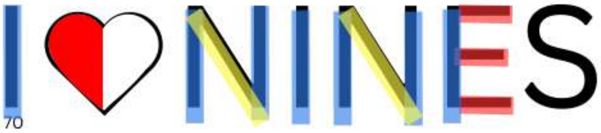
Find the products. What is the significance of the colored problems?

9 x 5 = 45
9 x 12 = 108
9 x 6 = 54
9 x 3 = 27
9 x 11 = 99
9 x 7 = 63
9 x 1 = 9
9 x 9 = 81
9 x 2 = 18
9 x 10 = 90
9 x 8 = 72
9 x 4 = 36

3 x 7 = 21
3 x 11 = 33
3 x 8 = 24
3 x 9 = 27
3 x 3 = 9
3 x 4 = 12
3 x 2 = 6
3 x 12 = 36
3 x 6 = 18
3 x 1 = 3
3 x 5 = 15
3 x 10 = 30

4 x 2 = 8
4 x 6 = 24
4 x 4 = 16
4 x 11 = 44
4 x 1 = 4
4 x 3 = 12
4 x 8 = 32
4 x 5 = 20
4 x 10 = 40
4 x 12 = 48
4 x 7 = 28
4 x 9 = 36

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.



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.

8 x 7 = 56

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.

3 x 10 = 30

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.

5 X 10 = 50

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

50 = 25 + 25

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.

5 X 2 = 10

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

4 X 2 = 8

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

4	2	8
5	3	15
20	6	

4	6	24
5	3	15
20	18	

4	3	12
7	1	7
28	3	

4	4	16
8	5	40
32	20	

4	5	20
2	6	12
8	30	

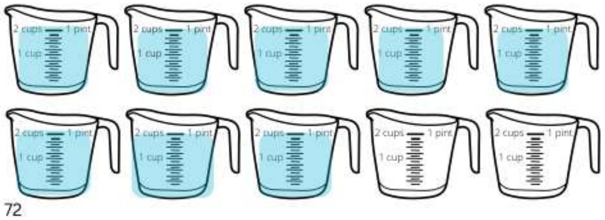
4	7	28
8	8	64
32	56	

Fill in the boxes with the missing addends.

33	21	19	22	24
+32	+26	+60	+40	+34
65	47	79	62	58

23	03	32	26	11
+13	+45	+21	+62	+38
36	48	53	88	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.



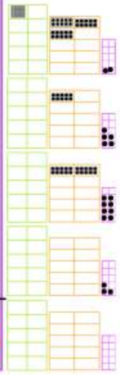
Date

Day of the week

132 + 15 + 28 + 3 =

132
15
28
+ 3
178

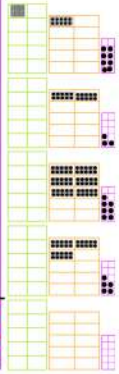
hundreds tens ones



118 + 23 + 67 + 35 =

118
23
67
+ 35
243

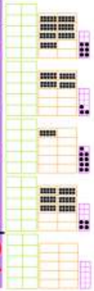
hundreds tens ones



76 + 43 + 19 + 64 =

76
43
19
+ 64
202

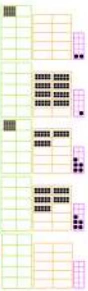
hundreds tens ones



102 + 81 + 135 + 55 =

102
81
135
+ 55
373

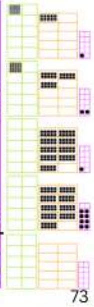
hundreds tens ones



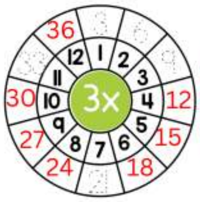
111 + 132 + 91 + 98 =

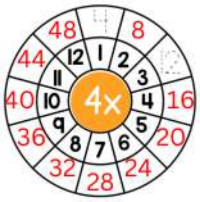
111
132
91
+ 98
432

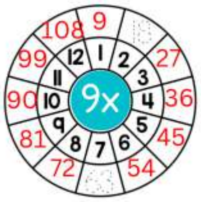
hundreds tens ones

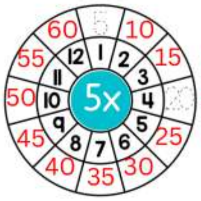


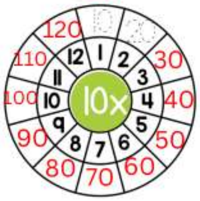
Multiply the number in the center by each number in the middle ring and write the product of those two numbers in the outer ring.

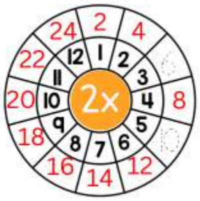

3x
1 2 3 4 5 6 7 8 9 10 11 12
3 6 9 12 15 18 21 24 27 30 33 36


4x
1 2 3 4 5 6 7 8 9 10 11 12
4 8 12 16 20 24 28 32 36 40 44 48


9x
1 2 3 4 5 6 7 8 9 10 11 12
9 18 27 36 45 54 63 72 81 90 99 108


5x
1 2 3 4 5 6 7 8 9 10 11 12
5 10 15 20 25 30 35 40 45 50 55 60


10x
1 2 3 4 5 6 7 8 9 10 11 12
10 20 30 40 50 60 70 80 90 100 110 120


2x
1 2 3 4 5 6 7 8 9 10 11 12
2 4 6 8 10 12 14 16 18 20 22 24

Find the sums.

83
47
29
+ 61
220

40
23
58
+ 32
153

106
34
15
+ 74
153

101
29
27
+ 50
229

190
13
43
+ 64
310

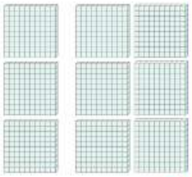
Fill in the missing numbers then color the boxes with ODD numbers yellow.

97	98	99	101	102	103	104	105	106	107

Date

3 + 6 = 9

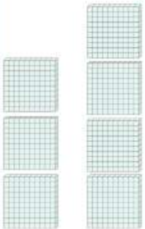
30 + 60 = 90



300 + 600 = 900

3 + 4 = 7

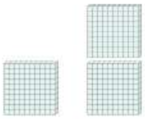
30 + 40 = 70



300 + 400 = 700

1 + 2 = 3

10 + 20 = 30



100 + 200 = 300

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.

2 = 5 + 10

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.

3 x 7 = 21

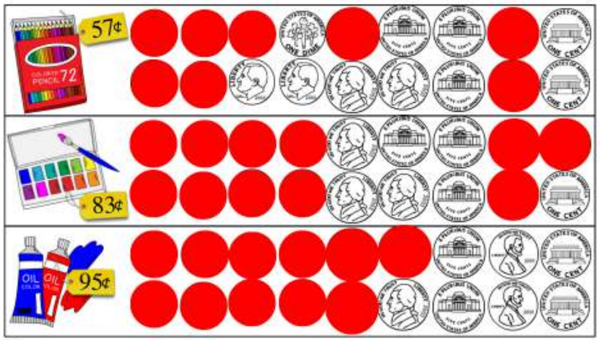
Find the products.

4 x 12 = 48
4 x 3 = 12
4 x 8 = 32
4 x 11 = 44
4 x 2 = 8
4 x 5 = 20
4 x 4 = 16
4 x 9 = 36
4 x 6 = 24
4 x 10 = 40
4 x 7 = 28

9 x 12 = 108
9 x 10 = 90
9 x 6 = 54
9 x 7 = 63
9 x 5 = 45
9 x 8 = 72
9 x 2 = 18
9 x 11 = 99
9 x 9 = 81
9 x 4 = 36
9 x 3 = 27

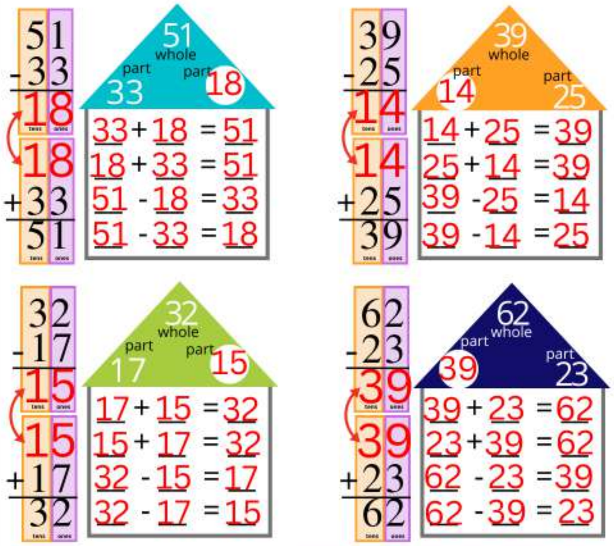
3 x 7 = 21
3 x 9 = 27
3 x 8 = 24
3 x 4 = 12
3 x 10 = 30
3 x 6 = 18
3 x 3 = 9
3 x 12 = 36
3 x 11 = 33
3 x 5 = 15
3 x 2 = 6

Color the coins needed to buy each toy.



Date ______________________________

Find the missing parts and complete the fact families.


51
-33
18
18
+33
51
51 whole
part 33
part 18
39
-25
14
14
+25
39
39 whole
part 14
part 25
32
-17
15
15
+17
32
32 whole
part 17
part 15
62
-23
39
39
+23
62
62 whole
part 39
part 23
tens ones

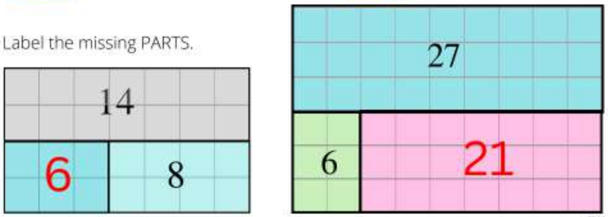
33 + 18 = 51
18 + 33 = 51
51 - 18 = 33
51 - 33 = 18

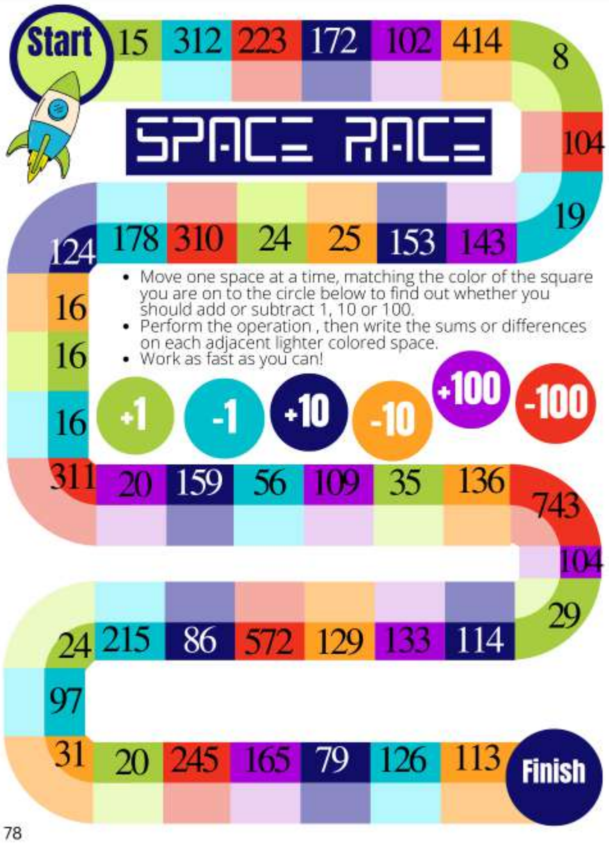
14 + 25 = 39
25 + 14 = 39
39 - 25 = 14
39 - 14 = 25

17 + 15 = 32
15 + 17 = 32
32 - 15 = 17
32 - 17 = 15

39 + 23 = 62
23 + 39 = 62
62 - 23 = 39
62 - 39 = 23

Label the missing PARTS.



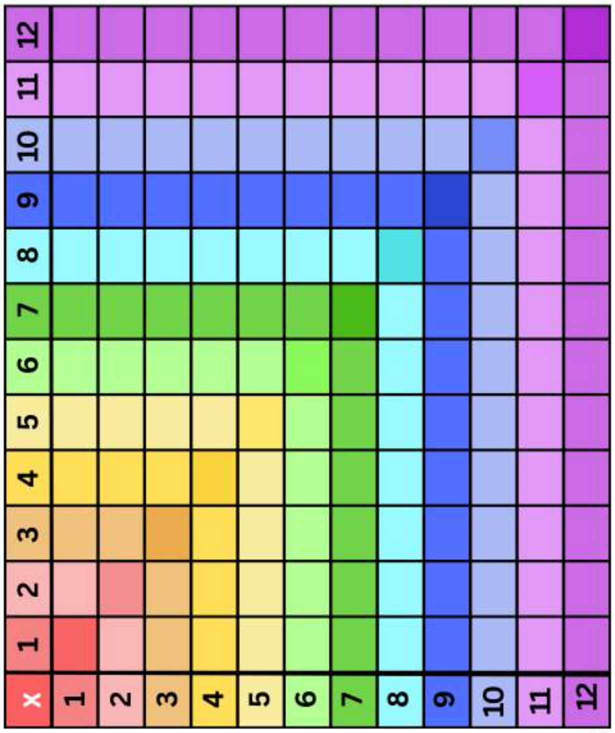

Start
15
312
223
172
102
414
8
SPACE RACE
104
19
143
153
25
24
310
178
124
16
16
16
+1
-1
+10
-10
+100
-100
311
20
159
56
109
35
136
743
104
29
114
133
129
572
86
215
24
97
31
20
245
165
79
126
113
Finish

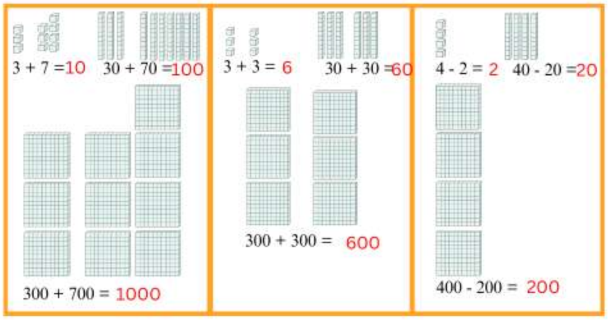
- Move one space at a time, matching the color of the square you are on to the circle below to find out whether you should add or subtract 1, 10 or 100.
- Perform the operation , then write the sums or differences on each adjacent lighter colored space.
- Work as fast as you can!

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

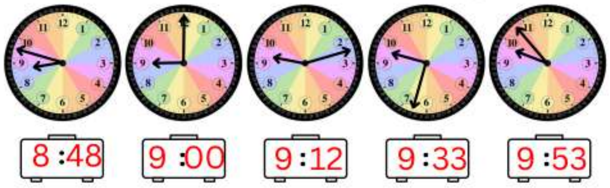


3 + 7 = 10   30 + 70 = 100
300 + 700 = 1000

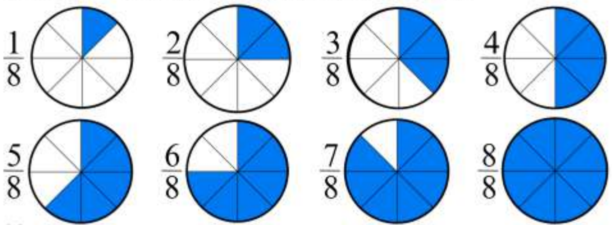
3 + 3 = 6   30 + 30 = 60
300 + 300 = 600

4 - 2 = 2   40 - 20 = 20
400 - 200 = 200

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


8:48
9:00
9:12
9:33
9:53

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


1/8
2/8
3/8
4/8
5/8
6/8
7/8
8/8

Date

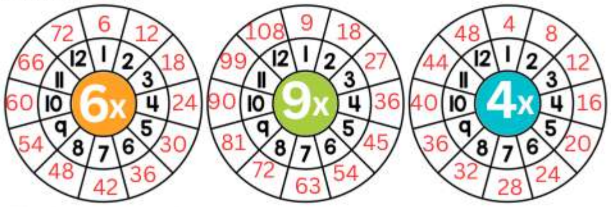
Find the products. The SIXES products are double threes products.

3 x 1 = 3
3 x 2 = 6
3 x 3 = 9
3 x 4 = 12
3 x 5 = 15
3 x 6 = 18
3 x 7 = 21
3 x 8 = 24
3 x 9 = 27
3 x 10 = 30
3 x 11 = 33
3 x 12 = 36

6 x 1 = 6
6 x 2 = 12
6 x 3 = 18
6 x 4 = 24
6 x 5 = 30
6 x 6 = 36
6 x 7 = 42
6 x 8 = 48
6 x 9 = 54
6 x 10 = 60
6 x 11 = 66
6 x 12 = 72

10 x 3 = 30
2 x 9 = 18
5 x 3 = 15
3 x 4 = 12
4 x 5 = 20
9 x 6 = 54
10 x 4 = 40
2 x 5 = 10
5 x 9 = 45
3 x 10 = 30
4 x 9 = 36
9 x 3 = 27

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


6x
1 2 3 4 5 6 7 8 9 10 11 12
6 12 18 24 30 36 42 48 54 60 66 72
9x
1 2 3 4 5 6 7 8 9 10 11 12
9 18 27 36 45 54 63 72 81 90 99 108
4x
1 2 3 4 5 6 7 8 9 10 11 12
4 8 12 16 20 24 28 32 36 40 44 48

Fill in the missing numbers.

99	100	101	102	103	104	105	106	107	108

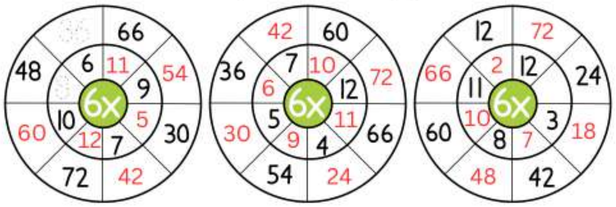
Find the SUMS and DIFFERENCE by adding or subtracting mentally.

78 - 10 = 68
104 + 100 = 204
231 + 10 = 241
710 - 100 = 610
63 - 1 = 62
49 + 10 = 59
124 - 10 = 114

132 + 10 = 142
75 - 10 = 65
112 + 100 = 212
715 - 1 = 714
34 + 1 = 35
343 - 100 = 243
522 - 10 = 512

447 - 100 = 347
219 + 10 = 229
268 - 10 = 258
209 + 100 = 309
85 - 1 = 84
53 - 10 = 43
136 + 1 = 137

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


6x
66 54 30 42 72 60 48
6 11 9 5 7 12 10
6x
42 60 72 66 24 54 30 36
7 10 12 11 4 9 5 6
6x
12 72 24 18 42 48 60 66
2 12 3 7 8 10 11

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

6	6	36
9	2	18
54	12	

6	12	72
2	5	10
12	60	

6	5	30
7	4	28
42	20	

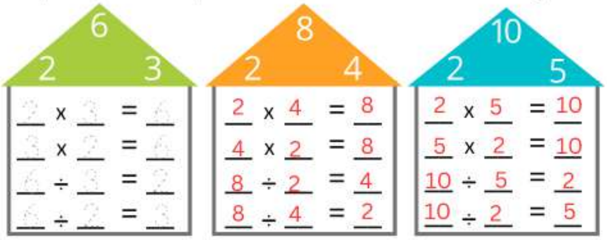
6	10	60
3	3	9
18	30	

6	3	18
9	7	63
54	21	

6	11	66
12	2	24
72	22	

Date

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


6
2
3
8
2
4
10
2
5

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

2 x 4 = 8
4 x 2 = 8
8 ÷ 2 = 4
8 ÷ 4 = 2

2 x 5 = 10
5 x 2 = 10
10 ÷ 5 = 2
10 ÷ 2 = 5

Fill in the missing numbers.

98	99	100	101	102	103	104	105	106	107

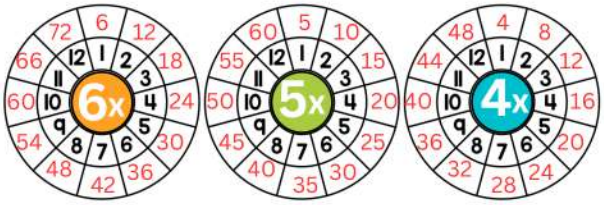
Find the products. What is the significance of the colored problems?

6 x 5 = 30
6 x 12 = 72
6 x 6 = 36
6 x 3 = 18
6 x 11 = 66
6 x 7 = 42
6 x 1 = 6
6 x 9 = 54
6 x 2 = 12
6 x 10 = 60
6 x 8 = 48
6 x 4 = 24

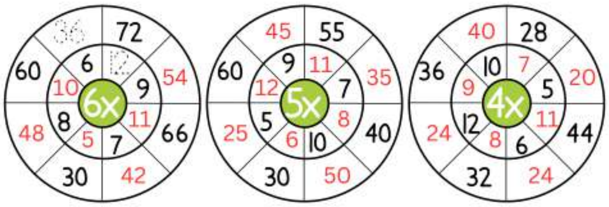
4 x 11 = 44
4 x 9 = 36
4 x 4 = 16
4 x 2 = 8
4 x 5 = 20
4 x 3 = 12
4 x 8 = 32
4 x 1 = 4
4 x 10 = 40
4 x 12 = 48
4 x 7 = 28
4 x 6 = 24

3 x 9 = 18
3 x 11 = 33
3 x 3 = 9
3 x 7 = 21
3 x 8 = 18
3 x 1 = 3
3 x 2 = 6
3 x 12 = 36
3 x 6 = 18
3 x 4 = 12
3 x 5 = 15
3 x 10 = 30

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


6x
1 2 3 4 5 6 7 8 9 10 11 12
6 12 18 24 30 36 42 48 54 60 66 72
5x
1 2 3 4 5 6 7 8 9 10 11 12
5 10 15 20 25 30 35 40 45 50 55 60
4x
1 2 3 4 5 6 7 8 9 10 11 12
4 8 12 16 20 24 28 32 36 40 44 48

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


6x
36 72 54 66 42 30 48 60
6 12 9 11 7 5 8 10
5x
45 55 35 40 50 30 25 60
9 11 7 8 10 6 5 12
4x
40 28 20 44 24 32 24 36
10 7 5 11 6 8 12 9

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

6	6	36
2	5	10
12	30	

5	3	15
4	2	8
20	6	

4	4	16
5	9	45
20	36	

9	5	45
3	6	18
27	30	

3	9	27
6	4	24
18	36	

2	6	12
9	3	27
18	18	

Date ______________________

	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 =				4	1
41 x 10 =			4	1	0
41 x 100 =		4	1	0	0
41 x 1000 =	4	1	0	0	0

	ten thousands	thousands	hundreds	tens	ones
39 x 1 =				3	9
39 x 10 =			3	9	0
39 x 100 =		3	9	0	0
39 x 1000 =	3	9	0	0	0

	ten thousands	thousands	hundreds	tens	ones
12 x 1 =				1	2
12 x 10 =			1	2	0
12 x 100 =		1	2	0	0
12 x 1000 =	1	2	0	0	0

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

42
6 7

6 x 7 = 42
7 x 6 = 42
42 ÷ 7 = 6
42 ÷ 6 = 7

54
6 9

6 x 9 = 54
9 x 6 = 54
54 ÷ 6 = 9
54 ÷ 9 = 6

72
6 12

12 x 6 = 72
6 x 12 = 72
72 ÷ 6 = 12
72 ÷ 12 = 6

66
6 11

6 x 11 = 66
11 x 6 = 66
66 ÷ 11 = 6
66 ÷ 6 = 11

60
6 10

6 x 10 = 60
10 x 6 = 60
60 ÷ 10 = 6
60 ÷ 6 = 10

48
6 8

8 x 6 = 48
6 x 8 = 48
48 ÷ 6 = 8
48 ÷ 8 = 6

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.
2 x 5 = 10

How many people are sharing the mangoes? Yourself plus four brothers.
1 + 4 = 5

Can you split those mangoes into equal groups? How many mangoes will you EACH get?
10 = 2 + 2 + 2 + 2 + 2

Can you think of another way to write the number sentence above?
2 x 5 = 10

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

2	6	12
5	9	45
10	54	

5	5	25
4	10	40
20	50	

10	4	40
3	2	6
30	8	

9	5	45
6	3	18
54	15	

3	9	27
3	4	12
9	36	

4	5	20
5	6	30
20	30	

6	6	36
9	5	45
54	30	

5	6	30
5	3	15
25	18	

2	4	8
5	6	30
10	24	

4	5	20
2	9	18
8	45	

3	4	12
6	4	24
18	16	

6	9	54
6	3	18
36	27	

Date ______________________

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

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

Find the products.

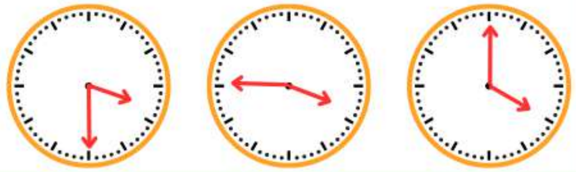
1. Write the ONES digit in each square, starting with 1 in the top right square, incrementing by one down and to the left.
2. Write the TENS digit in each square, starting with zero in the top left square, then incrementing by across the row, repeating the previous number in the successive row, then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

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

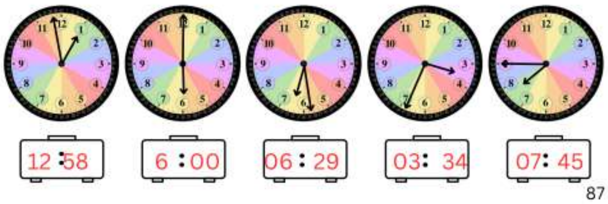
Numbers have such GREAT patterns!

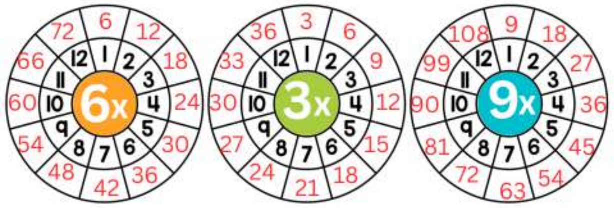
Number each clock face, then draw the hands to show:

Half past three
Quarter before four
Four o'clock



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


12 :58
6 :00
06 : 29
03: 34
07: 45



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

7 x 8 = 56
7 x 11 = 77
7 x 5 = 35
7 x 7 = 49
7 x 9 = 63
7 x 4 = 28
7 x 2 = 14
7 x 12 = 84
7 x 6 = 49
7 x 1 = 7
7 x 3 = 21
7 x 10 = 70

6 x 5 = 30
6 x 12 = 72
6 x 6 = 36
6 x 11 = 66
6 x 7 = 49
6 x 1 = 6
6 x 2 = 12
6 x 10 = 60
6 x 8 = 48
6 x 4 = 24
6 x 3 = 18
6 x 9 = 54

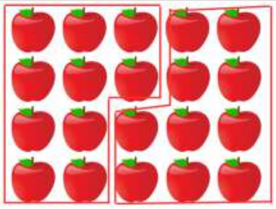
4 x 3 = 12
4 x 10 = 40
4 x 12 = 36
4 x 7 = 28
4 x 6 = 24
4 x 9 = 36
4 x 4 = 16
4 x 11 = 44
4 x 5 = 20
4 x 8 = 32
4 x 1 = 4
4 x 2 = 12

Fill in the missing numbers.

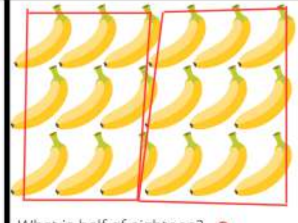
96	97	98	99	100	101	102	103	104	105
116	117	118	119	120	121	122	123	124	125

Date

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



What is half of twenty? 10



What is half of eighteen? 9

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

21
7 3
7 x 3 = 21
3 x 7 = 21
21 ÷ 3 = 7
21 ÷ 7 = 3

28
7 4
7 x 4 = 28
4 x 7 = 28
28 ÷ 4 = 7
28 ÷ 7 = 4

35
7 5
5 x 7 = 35
7 x 5 = 35
35 ÷ 7 = 5
35 ÷ 5 = 7

42
7 6
7 x 6 = 42
6 x 7 = 42
42 ÷ 7 = 6
42 ÷ 6 = 7

49
7 7
7 x 7 = 49
7 x 7 = 49
49 ÷ 7 = 7
49 ÷ 7 = 7

56
7 8
7 x 8 = 56
8 x 7 = 56
56 ÷ 8 = 7
56 ÷ 7 = 8

Find the products.

	ten thousands	thousands	hundreds	tens	ones
27 x 1 =				2	7
27 x 10 =			2	7	0
27 x 100 =		2	7	0	0
27 x 1000 =	2	7	0	0	0

	ten thousands	thousands	hundreds	tens	ones
93 x 1 =				9	3
93 x 10 =			9	3	0
93 x 100 =		9	3	0	0
93 x 1000 =	9	3	0	0	0

	ten thousands	thousands	hundreds	tens	ones
54 x 1 =				5	4
54 x 10 =			5	4	0
54 x 100 =		5	4	0	0
54 x 1000 =	5	4	0	0	0

	ten thousands	thousands	hundreds	tens	ones
67 x 1 =				6	1
67 x 10 =			6	7	0
67 x 100 =		6	7	0	0
67 x 1000 =	6	7	0	0	0

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

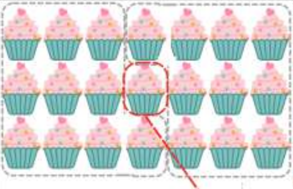
7 x 8 = 56
7 x 11 = 77
7 x 4 = 28
7 x 2 = 14
7 x 12 = 84
7 x 3 = 21
7 x 6 = 42
7 x 1 = 7
7 x 5 = 35
7 x 7 = 49
7 x 9 = 63
7 x 10 = 70

6 x 5 = 30
6 x 8 = 48
6 x 4 = 24
6 x 11 = 66
6 x 7 = 42
6 x 1 = 6
6 x 12 = 72
6 x 6 = 36
6 x 2 = 12
6 x 10 = 60
6 x 3 = 18
6 x 9 = 54

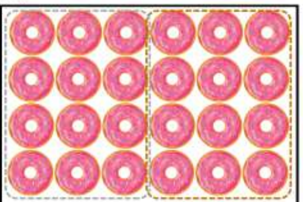
4 x 8 = 32
4 x 1 = 4
4 x 3 = 12
4 x 9 = 36
4 x 10 = 40
4 x 12 = 48
4 x 7 = 28
4 x 6 = 24
4 x 4 = 16
4 x 11 = 44
4 x 2 = 8
4 x 5 = 20

Date

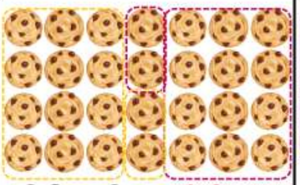
Draw lines to divide each set into equal halves. If there is a leftover, circle it in red, then use a vertical line to cut it in half.



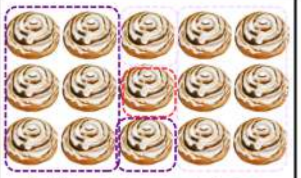
21 ÷ 2 = 10 1/2



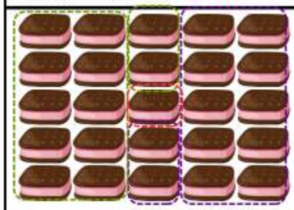
24 ÷ 2 = 12



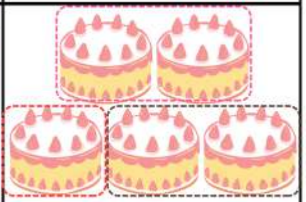
28 ÷ 2 = 14



15 ÷ 2 = 7 1/2

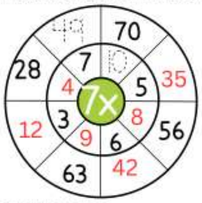


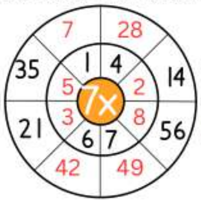
25 ÷ 2 = 12 1/2

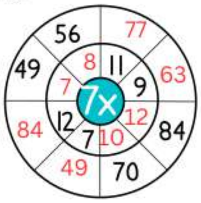


5 ÷ 2 = 2 1/2

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





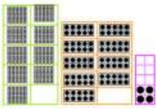


Find the sums.

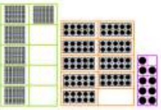
$$\begin{array}{r} 147 \\ +\ 83 \\ \hline 230 \end{array} \qquad \begin{array}{r} 109 \\ +192 \\ \hline 301 \end{array} \qquad \begin{array}{r} 114 \\ +187 \\ \hline 301 \end{array} \qquad \begin{array}{r} 133 \\ +134 \\ \hline 267 \end{array}$$

Find the differences.

$$\begin{array}{r} 994 \\ -358 \\ \hline 636 \end{array}$$



$$\begin{array}{r} 699 \\ -527 \\ \hline 172 \end{array}$$



$$\begin{array}{r} 31 \\ -15 \\ \hline 16 \end{array} \qquad \begin{array}{r} 43 \\ -28 \\ \hline 15 \end{array} \qquad \begin{array}{r} 52 \\ -39 \\ \hline 13 \end{array} \qquad \begin{array}{r} 70 \\ -56 \\ \hline 14 \end{array}$$

tens	ones

tens	ones

tens	ones

tens	ones

$$\begin{array}{r} 56 \\ -27 \\ \hline 29 \end{array} \qquad \begin{array}{r} 64 \\ -49 \\ \hline 15 \end{array} \qquad \begin{array}{r} 85 \\ -61 \\ \hline 24 \end{array} \qquad \begin{array}{r} 65 \\ -36 \\ \hline 29 \end{array}$$

tens	ones

tens	ones

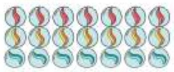
tens	ones

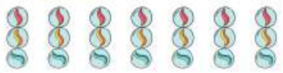
tens	ones

Date ______________________________

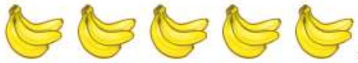
Multiplication & Division Terminology

Multiplication	Division
multiply equal 3 x 7 = 21 factors product	divide equal 21 ÷ 7 = 3 dividend divisor quotient





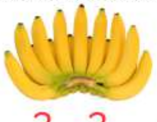
Each bunch has three bananas. How many bananas are there total?



5 x 3 = 15
# of bunches
# of bananas in each bunch

3 + 3 + 3 + 3 + 3 =15

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



15 ÷ 5 = $\boxed{3}$

3+ 3 + 3 + 3 + 3 = 15

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.
ANSWERS	MAY VARY

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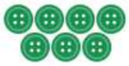
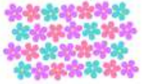
4 holes each in 7 buttons is how many holes?



7 x 4 = 28

28
4 7
4 x 7 = 28
7 x 4 = 28
28 ÷ 4 = 7
28 ÷ 7 = 4

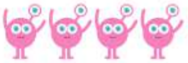
Draw lines to divide these flowers into seven equal groups.



28÷ 7 = 4

4+ 4 + 4 + 4 + 4 + 4 + 4 =28

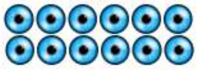
How many eyes total do these cute monsters have?



3 x 4 = 12

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

Draw lines to divide these eyes into four equal groups.



12÷ 4 = 3

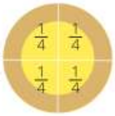
3 + 3 + 3 + 3 =12

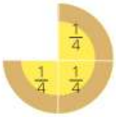
Find the product.	Find the product.	Find the quotient.
6 x 8 = 48	7 x 4 = 28	21 ÷ 7 = 3
6 x 2 = 12	7 x 9 = 63	28 ÷ 7 = 4
6 x 6 = 36	7 x 6 = 42	56 ÷ 7 = 8
6 x 5 = 30	7 x 8 = 56	7 ÷ 7 = 1
6 x 7 = 42	7 x 5 = 35	42 ÷ 7 = 6
6 x 1 = 6	7 x 11 = 77	49 ÷ 7 = 7
6 x 11 =66	7 x 4 = 28	14 ÷ 7 = 2
6 x 10 = 60	7 x 2 = 14	70 ÷ 7 = 10
6 x 9 = 54	7 x 10 = 70	84 ÷ 7 = 12
6 x 12 = 72	7 x 1 = 7	77 ÷ 7 = 11
6 x 3 = 18	7 x 3 = 15	63 ÷ 7 = 9
6 x 4 = 24	7 x 12 = 84	35 ÷ 7 = 5

Date ______________________________

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

Numerator → 4
(you have 4 pieces)
Denominator → 4
(the pie is cut into 4 pieces)



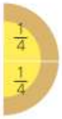


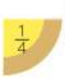
3 ← **Numerator**
(you have 3 pieces)
4 ← **Denominator**
(the pie is cut into 4 pieces)

You gave your sister a piece.

You gave your dad a piece.

Numerator → $\boxed{2}$
(you have 2 pieces)
Denominator → 4
(the pie is cut into 4 pieces)



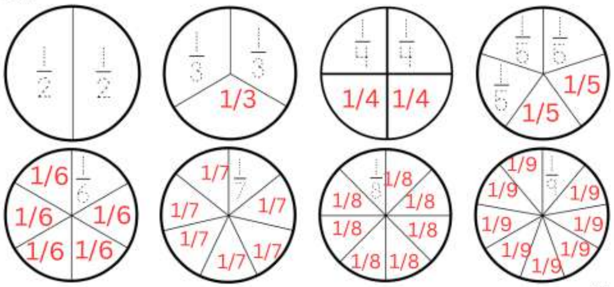


$\boxed{1}$ ← **Numerator**
(you have 1 piece left!)
4 ← **Denominator**
(the pie is cut into 4 pieces)

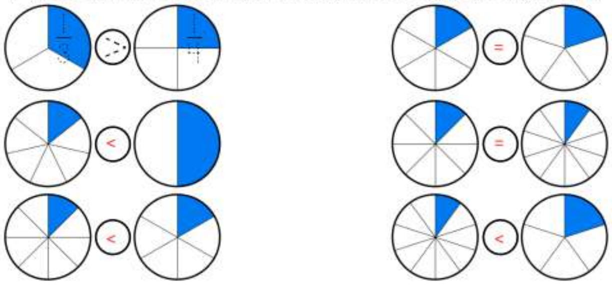
You gave your mom a piece.

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.

93	94	95	96	97	98	99	100	101	102

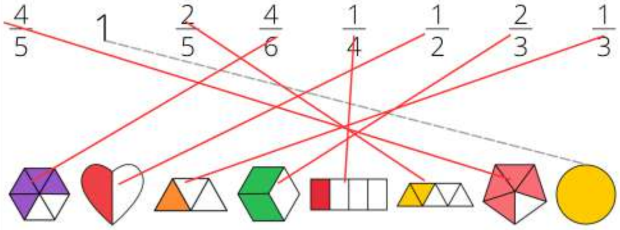
Find the product.	Find the product.	Find the quotient.
7 x 2 = 14	6 x 6 = 36	36 ÷ 6 = 6
7 x 10 = 70	6 x 2 = 12	12 ÷ 6 = 2
7 x 6 = 42	6 x 9 = 54	54 ÷ 6 = 9
7 x 8 = 56	6 x 10 = 60	60 ÷ 6 = 10
7 x 5 = 35	6 x 7 = 42	42 ÷ 6 = 7
7 x 7 = 49	6 x 1 = 6	6 ÷ 6 = 1
7 x 9 = 63	6 x 5 = 30	30 ÷ 6 = 5
7 x 4 = 28	6 x 11 = 66	66 ÷ 6 = 11
7 x 12 = 84	6 x 8 = 48	48 ÷ 6 = 8
7 x 1 = 7	6 x 4 = 24	24 ÷ 6 = 4
7 x 3 = 21	6 x 3 = 18	18 ÷ 6 = 3
7 x 11 = 77	6 x 12 = 72	72 ÷ 6 = 12

Date ANSWERS MAY VARY

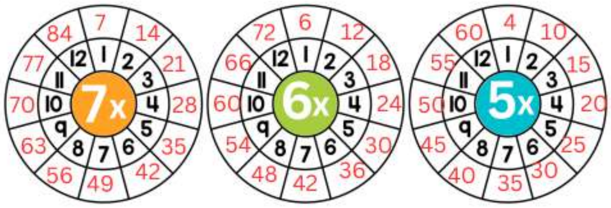
What is the date next Sunday?

Draw lines to match the fractions.

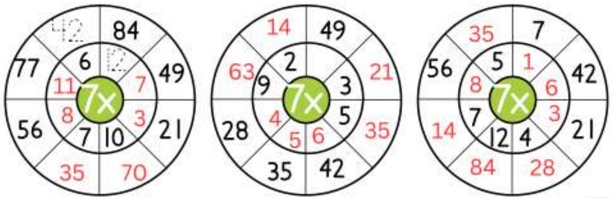
$\frac{4}{5}$ 1 $\frac{2}{5}$ $\frac{4}{6}$ $\frac{1}{4}$ $\frac{1}{2}$ $\frac{2}{3}$ $\frac{1}{3}$



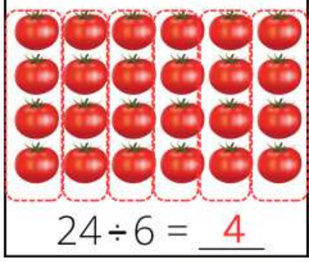
Complete these circles by multiplying the center number by each number around the circle.


7x
7 14 21 28 35 42 49 56 63 70 77 84
6x
6 12 18 24 30 36 42 48 54 60 66 72
5x
4 10 15 20 25 30 35 40 45 50 55 60

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

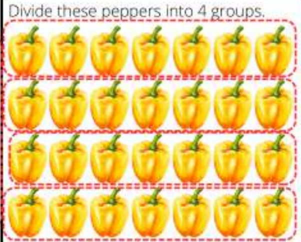

7x
42 84 49 21 70 35 56 77
6 12 7 3 10 7 8 11
7x
14 49 21 35 42 35 28 63
2 3 5 6 5 4 9
7x
7 42 21 28 84 14 56 35
1 6 3 4 12 7 8 5

Divide these tomatoes into 6 groups.



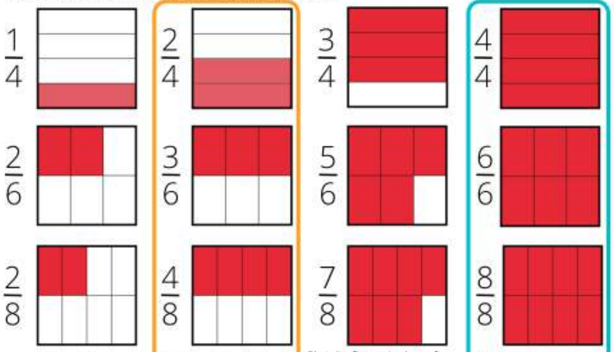
$24 \div 6 = 4$

Divide these peppers into 4 groups.



$28 \div 4 = 7$

Shade part of each figure to match the fraction.


$\frac{1}{4}$
$\frac{2}{6}$
$\frac{2}{8}$
$\frac{2}{4}$
$\frac{3}{6}$
$\frac{4}{8}$
$\frac{3}{4}$
$\frac{5}{6}$
$\frac{7}{8}$
$\frac{4}{4}$
$\frac{6}{6}$
$\frac{8}{8}$

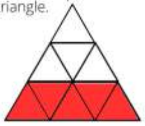
Why do you have a WHOLE when the numerator and the denominator in a fraction are the same number?

Because you have all the pieces

What do these fractions have in common?

They are all half of the whole

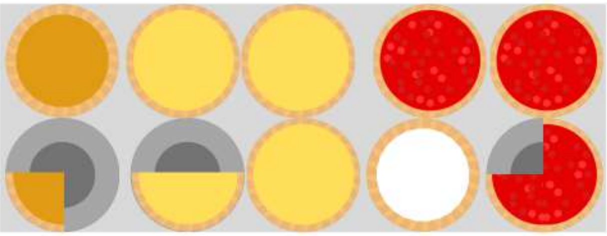
Shade five-ninths of the triangle so the unshaded part is still a triangle.

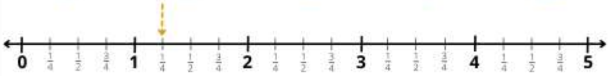


What do these fractions have in common?

They are all whole

Date




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

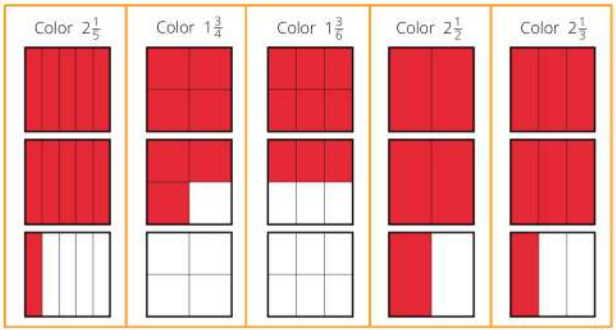
Use mixed numbers to write the amount of each type of pie, then draw an arrow to that amount on the number line:

pumpkin pie (brown): $1\frac{1}{4}$

cherry pie (red): $2\ \frac{3}{4}$

lemon pie (yellow): $3\frac{1}{2}$

coconut cream pie (white): 1


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.

$113 + 97 = 210$ $109 + 125 = 234$ $175 + 184 = 359$ $160 + 193 = 353$ $128 + 158 = 286$

$139 + 125 = 264$ $124 + 157 = 281$ $140 + 172 = 312$ $156 + 146 = 302$ $167 + 134 = 301$

$248 + 254 = 502$ $237 + 285 = 522$ $371 + 463 = 834$ $163 + 299 = 462$ $508 + 182 = 690$

Find the differences.

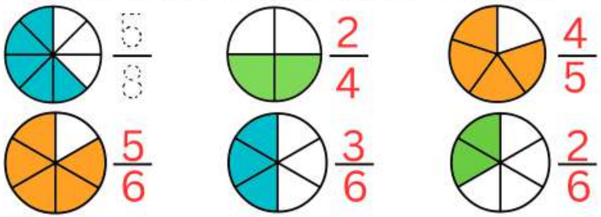
$51 - 27 = 24$ tens ones

$43 - 16 = 27$ tens ones

$52 - 29 = 23$ tens ones

$40 - 26 = 14$ tens ones

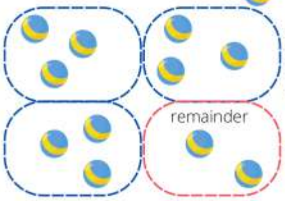
Label the fractions, then name them aloud. Remember, the DENOMINATOR (bottom) of a fraction tells you how many pieces the shape is divided into. The NUMERATOR (top) tells you how many pieces you HAVE (they're colored).


$\frac{5}{8}$
$\frac{2}{4}$
$\frac{4}{5}$
$\frac{5}{6}$
$\frac{3}{6}$
$\frac{2}{6}$

Date ANSWERS MAY VARY

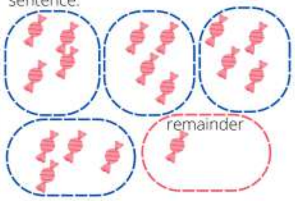
What is the date tomorrow?

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



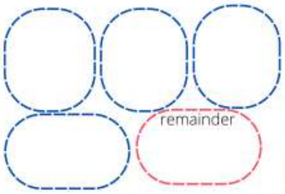
11 ÷ 3 = 3 R 1

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



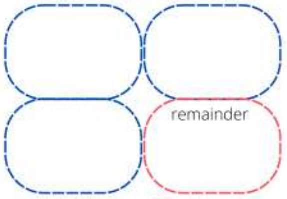
17 ÷ 4 = 4 R 1

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



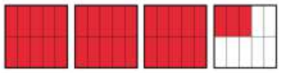
25 ÷ 4 = 6 R 1

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.

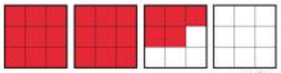


28 ÷ 3 = 9 R 1

Color $3\frac{3}{10}$



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

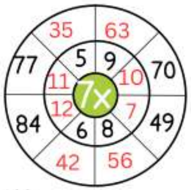


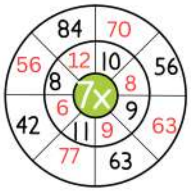
Find the product.	Find the product.	Find the quotient.
6 x 1 = 6	7 x 5 = 35	49 ÷ 7 = 7
6 x 11 = 66	7 x 9 = 63	7 ÷ 7 = 1
6 x 6 = 36	7 x 7 = 49	70 ÷ 7 = 10
6 x 2 = 12	7 x 8 = 56	84 ÷ 7 = 12
6 x 9 = 54	7 x 2 = 14	42 ÷ 7 = 6
6 x 7 = 42	7 x 11 = 77	14 ÷ 7 = 2
6 x 4 = 24	7 x 6 = 42	77 ÷ 7 = 11
6 x 12 = 72	7 x 4 = 28	63 ÷ 7 = 9
6 x 8 = 48	7 x 3 = 21	28 ÷ 7 = 4
6 x 3 = 18	7 x 1 = 7	21 ÷ 7 = 3
6 x 10 = 60	7 x 12 = 84	35 ÷ 7 = 5
6 x 5 = 30	7 x 10 = 70	56 ÷ 7 = 8

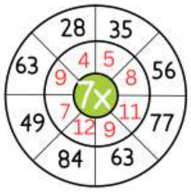
Would you rather have a piece of cake from this cake cut into TWELVE pieces or this cake cut into TWO pieces? Why?

ANSWERS MAY VARY

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.

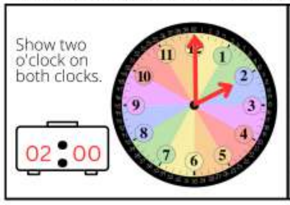
8 x 1 = 8	7 x 12 = 84	6 x 6 = 36
8 x 2 = 16	7 x 7 = 77	6 x 11 = 66
8 x 3 = 24	7 x 3 = 21	6 x 5 = 30
8 x 4 = 32	7 x 2 = 14	6 x 7 = 42
8 x 5 = 40	7 x 1 = 7	6 x 10 = 60
8 x 6 = 48	7 x 9 = 63	6 x 4 = 24
8 x 7 = 56	7 x 5 = 35	6 x 3 = 18
8 x 8 = 64	7 x 11 = 77	6 x 8 = 48
8 x 9 = 72	7 x 4 = 28	6 x 12 = 72
8 x 10 = 80	7 x 8 = 56	6 x 2 = 12
8 x 11 = 88	7 x 10 = 70	6 x 9 = 54
8 x 12 = 96	7 x 6 = 42	6 x 1 = 6

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

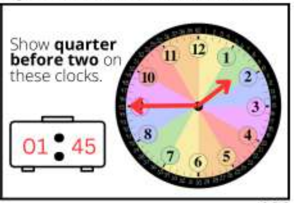
ANSWERS MAY VARY

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 = 83	75 - 10 = 65	37 + 10 = 47
39 + 1 = 38	605 - 100 = 505	115 + 100 = 215
119 + 100 = 219	97 - 10 = 87	130 + 10 = 140
125 + 10 = 135	143 + 100 = 243	202 - 100 = 102
61 - 10 = 51	65 - 10 = 55	158 - 10 = 148

Find the products.

	ten thousands	thousands	hundreds	tens	ones
15 x 1 =				1	5
15 x 10 =			1	5	0
15 x 100 =		1	5	0	0
15 x 1000 =	1	5	0	0	0

	ten thousands	thousands	hundreds	tens	ones
37 x 1 =				3	7
37 x 10 =			3	7	0
37 x 100 =		3	7	0	0
37 x 1000 =	3	7	0	0	0

	ten thousands	thousands	hundreds	tens	ones
22 x 1 =				2	2
22 x 10 =			2	2	0
22 x 100 =		2	2	0	0
22 x 1000 =	2	2	0	0	0

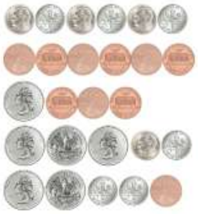
	ten thousands	thousands	hundreds	tens	ones
58 x 1 =				5	8
58 x 10 =			5	8	0
58 x 100 =		5	8	0	0
58 x 1000 =	5	8	0	0	0

Find the sums.

16	19	18	15	11
+16	+19	+18	+15	+11
32	38	36	30	22
16	19	18	15	11
+10	+10	+10	+10	+10
26	29	28	25	21

Date ____________________

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



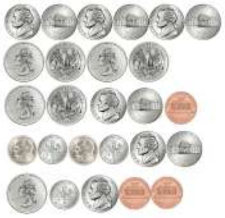
60¢

6¢

28¢

95¢

71¢



30¢

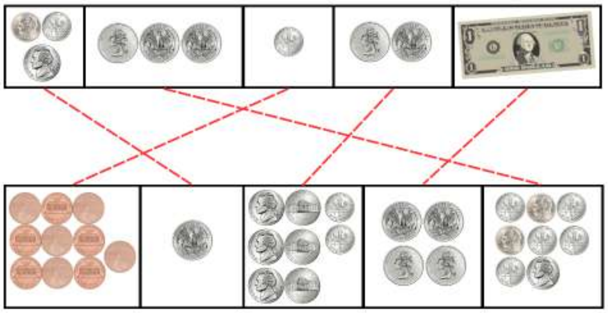
100¢

61¢

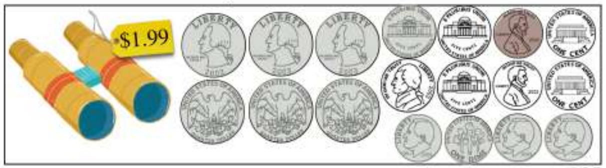
50¢

42¢

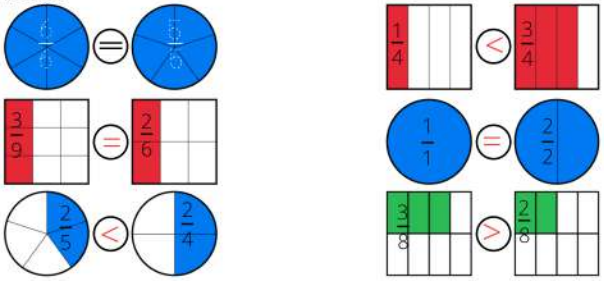
Draw lines to match the amounts in the top and bottom rows of squares.



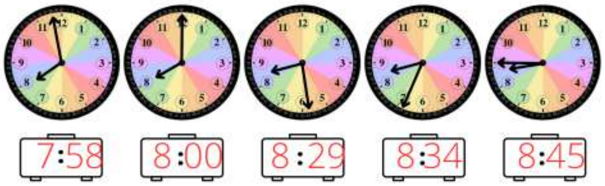
Color the coins needed to buy the binoculars.



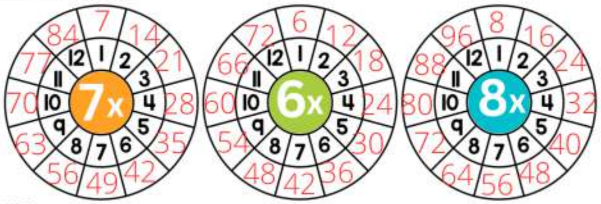
Label each fraction (the colored portion). Then draw the correct comparison symbol (<, >, =) in the small circle between the fractions. Remember to EAT the bigger fraction.



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

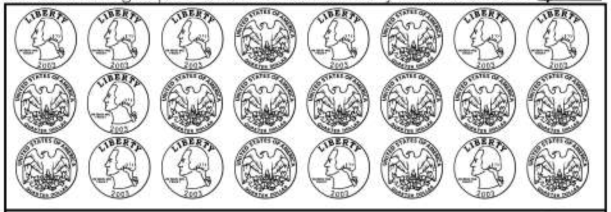


Complete these circles by multiplying the center number by each number around the circle.

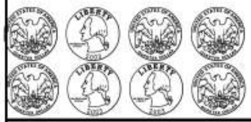


Date ____________________

Circle all of the groups of ONE DOLLAR. How many dollars are there? $ 8

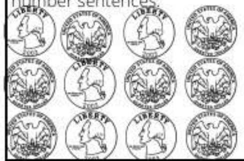


How many quarters is two dollars? Draw the quarters and write the number sentences.



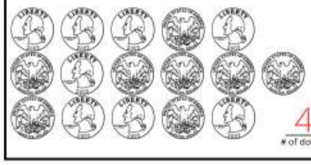
2 x 4 = 8
# of dollars, # of quarters in each dollar

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



3 x 4 = 12
# of dollars, # of quarters in each dollar

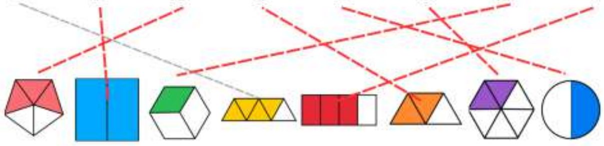
How many quarters is four dollars? Draw the quarters and write the number sentences.



4 x 4 = 16
# of dollars, # of quarters in each dollar

Draw lines to match the fractions.

4/5 2/2 3/5 2/3 1/2 2/6 1/3 3/4



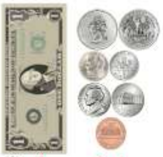
Fill in the missing numbers then color the boxes with ODD numbers yellow.

97	98	99	100	101	102	103	104	105	106
107	108	109	110	111	112	113	114	115	116

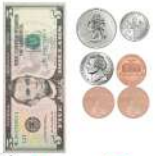
Find the product.	Find the product.	Find the quotient.
8 x 3 = 24	7 x 4 = 28	84 ÷ 7 = 12
8 x 10 = 80	7 x 12 = 84	7 ÷ 7 = 1
8 x 6 = 48	7 x 8 = 56	77 ÷ 7 = 11
8 x 2 = 16	7 x 3 = 21	14 ÷ 7 = 2
8 x 9 = 72	7 x 10 = 70	42 ÷ 7 = 6
8 x 4 = 32	7 x 5 = 35	56 ÷ 7 = 8
8 x 7 = 56	7 x 2 = 14	70 ÷ 7 = 10
8 x 12 = 96	7 x 1 = 7	21 ÷ 7 = 3
8 x 8 = 64	7 x 7 = 49	63 ÷ 7 = 9
8 x 1 = 8	7 x 6 = 42	28 ÷ 7 = 4
8 x 10 = 80	7 x 11 = 77	49 ÷ 7 = 7
8 x 5 = 40	7 x 9 = 63	35 ÷ 7 = 5

Date ______________________

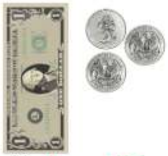
How much money is this?



$ 1 . 81
dollars cents



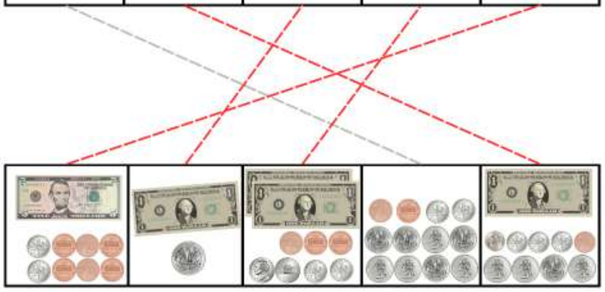
$ 5 . 43
dollars cents



$ 1 . 75
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

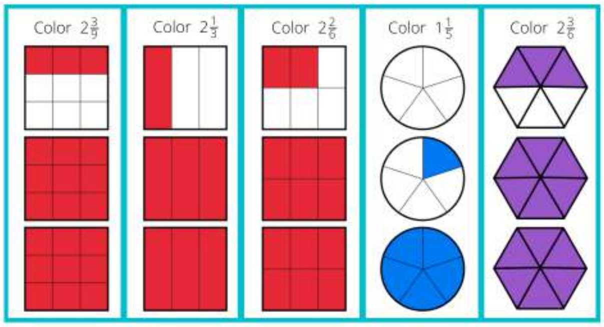


Fill in each square with factors such that the product of each set of factors, horizontally and vertically, are correct.

8	3	24
4	2	8
32	6	

8	5	40
9	3	27
72	15	

8	8	64
7	4	28
56	32	



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

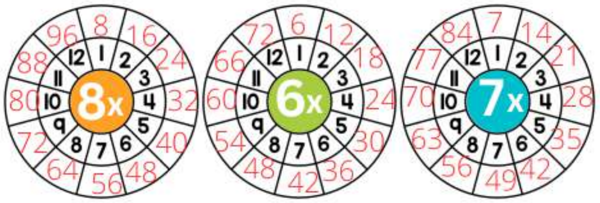
Color $2\frac{1}{3}$

Color $2\frac{2}{6}$

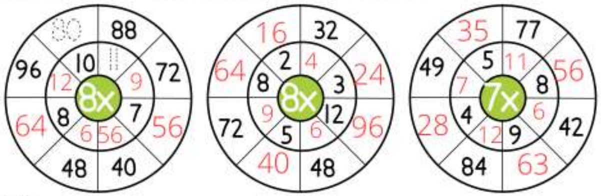
Color $1\frac{1}{5}$

Color $2\frac{3}{6}$

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


8x
1 2 3 4 5 6 7 8 9 10 11 12
8 16 24 32 40 48 56 64 72 80 88 96
6x
1 2 3 4 5 6 7 8 9 10 11 12
6 12 18 24 30 36 42 48 54 60 66 72
7x
1 2 3 4 5 6 7 8 9 10 11 12
7 14 21 28 35 42 49 56 63 70 77 84

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


8x
80 88 72 56 40 48 64 96
10 11 9 7 5 6 8 12
8x
16 32 24 96 48 40 72 64
2 4 3 12 6 5 9 8
7x
35 77 56 42 63 84 28 49
5 11 8 6 9 12 4 7

Date ______________________

Find the sums.

117 + 107 + 183 = 407

156 + 201 + 143 = 500

297 + 115 + 205 = 617

385 + 233 + 235 = 853

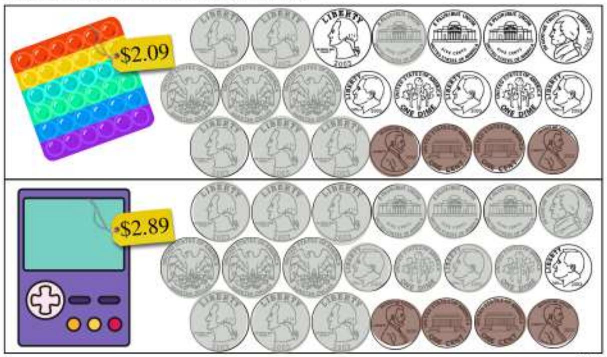
525 + 205 + 394 = 1124

139 + 491 + 256 = 886

271 + 546 + 326 = 1143

358 + 419 + 231 = 1008

Color the coins needed to buy each toy.



Find the products.

8 x 8 = 64
8 x 6 = 48
8 x 1 = 8
8 x 5 = 40
8 x 7 = 56
8 x 2 = 16
8 x 11 = 88
8 x 10 = 89
8 x 4 = 32
8 x 12 = 96
8 x 3 = 24
8 x 9 = 96

7 x 6 = 42
7 x 12 = 84
7 x 1 = 7
7 x 5 = 35
7 x 11 = 77
7 x 4 = 28
7 x 7 = 49
7 x 1 = 7
7 x 3 = 21
7 x 8 = 56
7 x 9 = 63
7 x 10 = 70

Find the quotients.

49 ÷ 7 = 7
64 ÷ 8 = 8
84 ÷ 7 = 12
72 ÷ 8 = 9
42 ÷ 7 = 6
56 ÷ 7 = 8
88 ÷ 8 = 11
48 ÷ 8 = 6
63 ÷ 7 = 9
28 ÷ 7 = 4
56 ÷ 8 = 7
96 ÷ 8 = 12

Complete these Fact Family houses.

32
4 8
4 x 8 = 32
8 x 4 = 32
32 ÷ 8 = 4
32 ÷ 4 = 8

64
8 8
8 x 8 = 64
8 x 8 = 64
64 ÷ 8 = 8
64 ÷ 8 = 8

40
8 5
8 x 5 = 40
5 x 8 = 40
40 ÷ 8 = 5
49 ÷ 5 = 8

24
8 3
8 x 3 = 24
3 x 8 = 24
24 ÷ 8 = 3
24 ÷ 3 = 8

56
8 7
7 x 8 = 56
8 x 7 = 56
56 ÷ 7 = 8
56 ÷ 8 = 7

72
9 8
9 x 8 = 72
8 x 9 = 72
72 ÷ 8 = 9
72 ÷ 9 = 8

48
8 6
8 x 6 = 48
6 x 8 = 48
48 ÷ 6 = 8
48 ÷ 8 = 6

96
8 12
8 x 12 = 96
12 x 8 = 96
96 ÷ 12 = 8
96 ÷ 8 = 12

Date ______

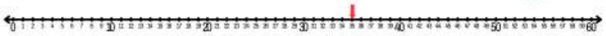
Round to the nearest TEN:

35 40
17 20
41 40

47 50
22 20
15 20

8 10
12 10
4 0

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



Multiply

	ten thousands	thousands	hundreds	tens	ones
75 x 1 =				7	5
75 x 10 =			7	5	0
75 x 100 =		7	5	0	0
75 x 1000 =	7	5	0	0	0

	ten thousands	thousands	hundreds	tens	ones
21 x 1 =				2	1
21 x 10 =			2	1	0
21 x 100 =		2	1	0	0
21 x 1000 =	2	1	0	0	0

	ten thousands	thousands	hundreds	tens	ones
13 x 1 =				1	3
13 x 10 =			1	3	0
13 x 100 =		1	3	0	0
13 x 1000 =	1	3	0	0	0

	ten thousands	thousands	hundreds	tens	ones
42 x 1 =				4	2
42 x 10 =			4	2	0
42 x 100 =		4	2	0	0
42 x 1000 =	4	2	0	0	0

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

8	3	24
6	2	12
48	6	

8	1	8
4	7	28
32	7	

8	9	72
10	5	50
80	45	

8	5	40
7	6	42
56	30	

8	8	64
6	4	24
48	32	

8	4	32
5	9	45
40	36	

Find the sums.

101	193	219	135
216	137	111	203
+154	+185	+225	+265
471	515	555	603

966	511	724	371
308	199	178	519
+254	+326	+306	+282
1528	1036	1208	1172

Find the differences.

87	53	56	80
-21	-26	-19	-41
66	27	37	39

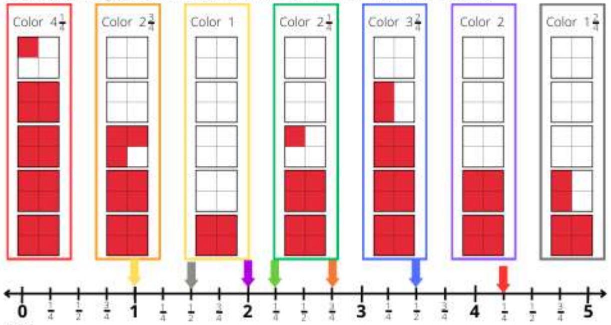
tens	ones

tens	ones

tens	ones

tens	ones

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

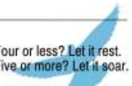


Date ______

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.



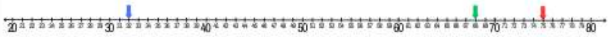
Four or less? Let it rest.
Five or more? Let it soar.

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 20
12 10
15 20

37 40
21 20
45 50

53 50
65 70
58 60



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 4 soar (round UP).

564 600
421 400
115 100

675 700
231 200
254 300

353 400
649 600
528 500

0
100
200
300
400
500
600
700

Complete these Fact Family houses.

64
8 8
8 x 8 = 64
8 x 8 = 64
64 ÷ 8 = 8
64 ÷ 8 = 8

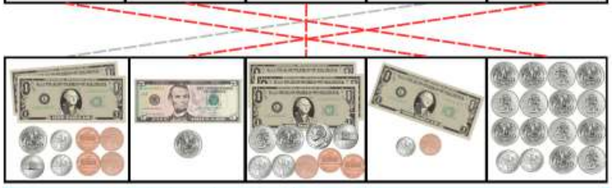
48
8 6
8 x 6 = 48
6 x 8 = 48
48 ÷ 6 = 8
48 ÷ 8 = 6

40
5 8
5 x 8 = 40
8 x 5 = 40
40 ÷ 5 = 8
40 ÷ 8 = 5

56
8 7
8 x 7 = 56
7 x 8 = 56
56 ÷ 7 = 8
56 ÷ 8 = 7

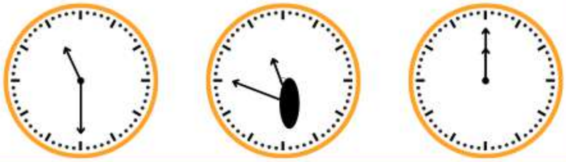
Draw lines to match the amounts in the top and bottom rows of squares.

$1.11	$3.70	$3.83	$2.54	$5.25

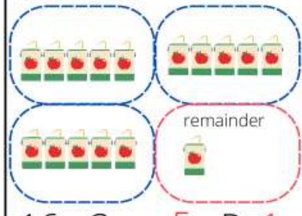


Number each clock face, then draw the hands to show:

Half past eleven
Quarter before twelve
Twelve o'clock

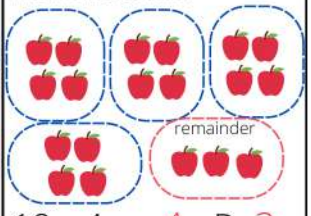


You have 16 juice boxes to share with 3 friends. Draw the boxes and write a number sentence.



16 ÷ 3 = 5 R 1

You want to share 19 apples between 4 friends friends. Draw the apples and write a number sentence.



19 ÷ 4 = 4 R 3

Date ______________________________

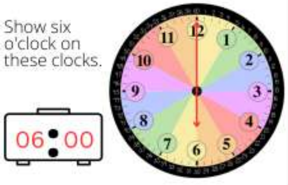
Find the products.			Find the quotients.
double 1	11 x 1 = 11	8 x 6 = 48	48 ÷ 8 = 6
double 2	11 x 2 = 22	8 x 12 = 96	80 ÷ 8 = 10
double 3	11 x 3 = 33	8 x 1 = 8	16 ÷ 8 = 2
double 4	11 x 4 = 44	8 x 5 = 40	64 ÷ 8 = 8
double 5	11 x 5 = 55	8 x 7 = 56	56 ÷ 8 = 7
double 6	11 x 6 = 66	8 x 11 = 88	32 ÷ 8 = 4
double 7	11 x 7 = 77	8 x 4 = 32	88 ÷ 8 = 11
double 8	11 x 8 = 88	8 x 8 = 64	8 ÷ 8 = 1
double 9	11 x 9 = 99	8 x 3 = 24	24 ÷ 8 = 3
1+0	11 x 10 = 110	8 x 10 = 80	96 ÷ 8 = 12
1+1	11 x 11 = 121	8 x 9 = 72	72 ÷ 8 = 9
1+2	11 x 12 = 132	8 x 2 = 16	40 ÷ 8 = 5

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.

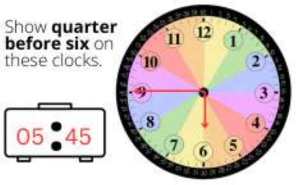
1+8	2+3	3+5
11 x 18 = 198	11 x 23 = 253	11 x 35 = 385
11 x 72 = 792	11 x 45 = 495	11 x 61 = 671

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

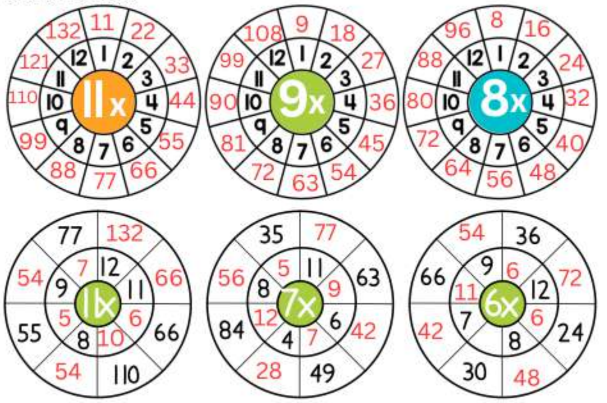
Show six o'clock on these clocks.



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

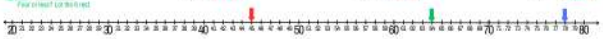


Complete these circles by multiplying the center number by each number around the circle.


11x
1 11, 2 22, 3 33, 4 44, 5 55, 6 66, 7 77, 8 88, 9 99, 10 110, 11 121, 12 132
9x
1 9, 2 18, 3 27, 4 36, 5 45, 6 54, 7 63, 8 72, 9 81, 10 90, 11 99, 12 108
8x
1 8, 2 16, 3 24, 4 32, 5 40, 6 48, 7 56, 8 64, 9 72, 10 80, 11 88, 12 96
11x
12 132, 11 66, 6 66, 10 110, 8 54, 5 55, 9 54, 7 77
7x
11 77, 9 63, 6 42, 7 49, 4 28, 12 84, 8 56, 5 35
6x
6 36, 12 72, 6 24, 8 48, 7 30, 11 42, 9 66, 9 54

Round to the nearest TEN.

45 50 Five or more? Let the 4 soar (round UP).	25 30	37 40	68 70
78 80 Five or more? Let the 7 soar (round UP).	49 50	13 10	35 40
64 60 Four or less? Let the 6 rest.	65 70	55 60	51 50

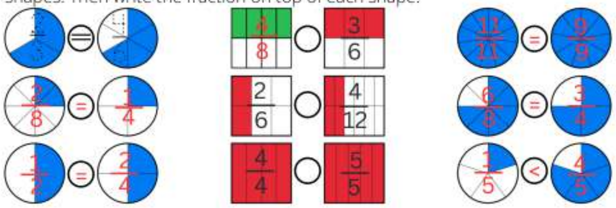


Round to the nearest HUNDRED.

345 300 Four or less? Let the 3 rest.	199 200	275 300	653 700
128 100 Four or less? Let the 1 rest.	245 200	131 100	659 700
451 500 Five or more? Let the 4 soar (round UP).	354 400	654 700	588 600

Date ______________________________

Place the correct comparison symbol (<, >, =) in the circle between each set of shapes. Then write the fraction on top of each shape.


=
4/8
3/6
11/11
=
9/9
2/8
=
1/4
2/6
4/12
6/8
=
3/4
1/2
=
2/4
4/4
5/5
1/5
<
4/5

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

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

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

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

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

11	8	88
5	2	10
55	16	

11	3	33
6	4	48
66	24	

11	9	99
4	5	20
44	45	

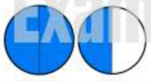
8	9	72
10	8	80
80	72	

8	8	64
11	7	77
88	56	

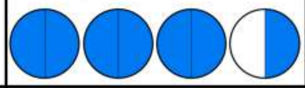
8	4	32
6	4	24
48	16	

Use the clues to solve these fraction riddles and draw each mixed number.

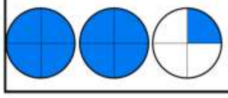
- I am less than two.
- I am more than one.
- I am equal to three halves.



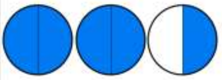
- I am more than three.
- I am less than four.
- I am equal to seven halves.



- 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
8 x 7 = 56
7 x 8 = 56
56 ÷ 7 = 8
56 ÷ 8 = 7

24, 3, 8
3 x 8 = 24
8 x 3 = 24
24 ÷ 3 = 8
24 ÷ 8 = 3

72, 9, 8
9 x 8 = 72
8 x 9 = 72
72 ÷ 8 = 9
72 ÷ 9 = 8

48, 8, 6
48 x 6 = 8
48 x 8 = 6
48 ÷ 6 = 8
48 ÷ 8 = 6

32, 4, 8
8 x 4 = 32
4 x 8 = 32
32 ÷ 4 = 8
32 ÷ 8 = 4

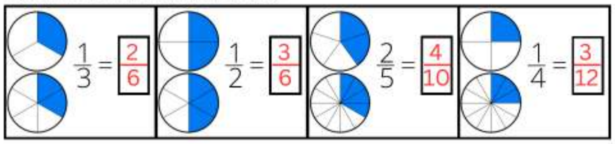
96, 8, 12
12 x 8 = 96
8 x 12 = 96
96 ÷ 8 = 12
96 ÷ 12 = 8

63, 7, 9
9 x 7 = 63
7 x 9 = 63
63 ÷ 7 = 9
63 ÷ 9 = 7

40, 8, 5
5 x 8 = 40
8 x 5 = 40
40 ÷ 8 = 5
40 ÷ 5 = 8

Date ______________________________

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



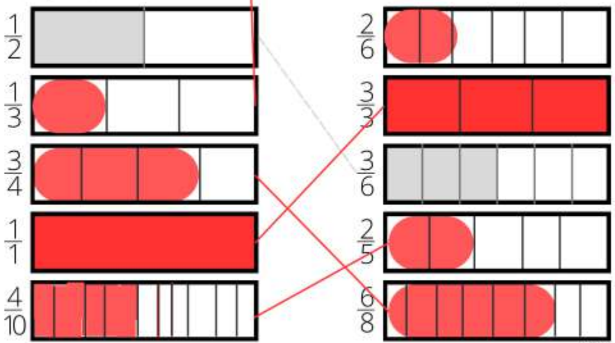
$\frac{1}{3} = \boxed{\frac{2}{6}}$ $\frac{1}{2} = \boxed{\frac{3}{6}}$ $\frac{2}{5} = \boxed{\frac{4}{10}}$ $\frac{1}{4} = \boxed{\frac{3}{12}}$

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

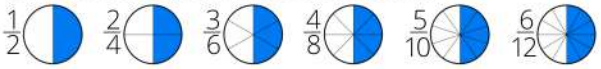
$\frac{\overset{12}{2}}{4} = \frac{\overset{12}{3}}{6}$ $\frac{1}{2} = \frac{4}{8}$ $\cancel{\frac{2}{3} = \frac{3}{6}}$ $\cancel{\frac{2}{5} = \frac{6}{10}}$

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

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!



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



What do each of these fractions have in common? they are half of the circle

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.

11 x 6 = 66

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.

2 x 7 = 14

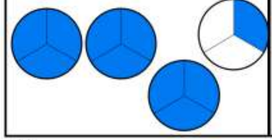
Fill in the boxes with the missing addends.

$\begin{array}{r} \boxed{5}\boxed{3} \\ +15 \\ \hline 68 \end{array}$ $\begin{array}{r} \boxed{3}\boxed{2} \\ +20 \\ \hline 52 \end{array}$ $\begin{array}{r} 21 \\ +\boxed{6}\boxed{2} \\ \hline 83 \end{array}$ $\begin{array}{r} 24 \\ +\boxed{5}\boxed{4} \\ \hline 78 \end{array}$ $\begin{array}{r} \boxed{3}\boxed{3} \\ +12 \\ \hline 45 \end{array}$

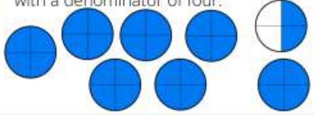
$\begin{array}{r} 13 \\ +\boxed{2}\boxed{3} \\ \hline 36 \end{array}$ $\begin{array}{r} \boxed{3}\boxed{3} \\ +25 \\ \hline 58 \end{array}$ $\begin{array}{r} 17 \\ +\boxed{8}\boxed{2} \\ \hline 99 \end{array}$ $\begin{array}{r} 22 \\ +\boxed{6}\boxed{2} \\ \hline 84 \end{array}$ $\begin{array}{r} 19 \\ +\boxed{0}\boxed{1} \\ \hline 20 \end{array}$

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.

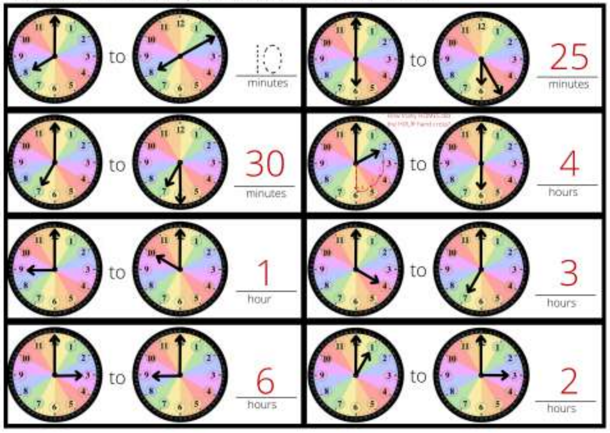


- I'm a mixed number between five and seven.
- My whole part is odd.
- My fraction part is equivalent to 1/2 but with a denominator of four.



Date ______________________________

How much time has elapsed between each set of clocks?



10 minutes

25 minutes

30 minutes

4 hours

1 hour

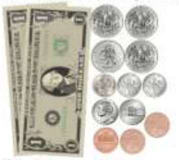
3 hours

6 hours

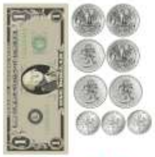
2 hours

10 minutes earlier	5 minutes earlier	current time	5 minutes later	10 minutes later
7:00	7:05	7:10	7:15	7:20
3:05	3:10	3:15	3:20	3:25
12:50	12:55	1:00	1:05	1:10
5:20	5:25	5:30	5:35	5:40

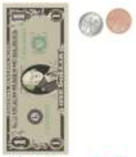
How much money is this?



$ 3 . 43
dollars cents



$ 2 . 80
dollars cents

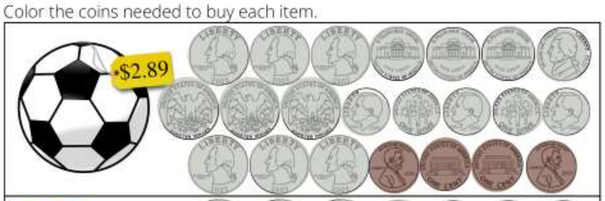


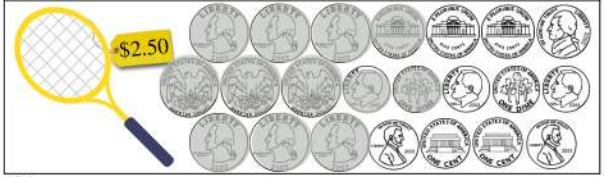
$ 1 . 11
dollars cents

Complete these Fact Family houses.

121 (11, 11)	72 (8, 9)	56 (7, 8)	48 (8, 6)
11 x 11 = 121	8 x 9 = 72	7 x 8 = 56	6 x 8 = 48
11 x 11 = 121	9 x 8 = 72	8 x 7 = 56	8 x 6 = 48
121 ÷ 11 = 11	72 ÷ 8 = 9	56 ÷ 7 = 8	48 ÷ 6 = 8
121 ÷ 11 = 11	72 ÷ 9 = 8	56 ÷ 8 = 7	48 ÷ 8 = 6

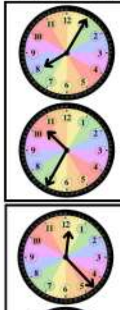
Color the coins needed to buy each item.





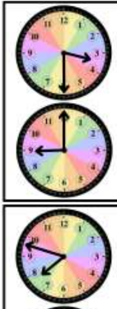
Date ____________________

How much time has elapsed?



time	hours	minutes
8:05		55
9:00	1	
10:00		35
10:35		

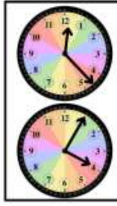
2 hours and 30 minutes



ANSWERS MAY VARY

time	hours	minutes
3:30		
9:00		

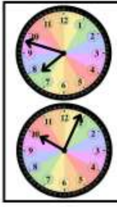
5 hours and 30 minutes



ANSWERS MAY VARY

time	hours	minutes
12:23		
4:05		

2 hours and 42 minutes

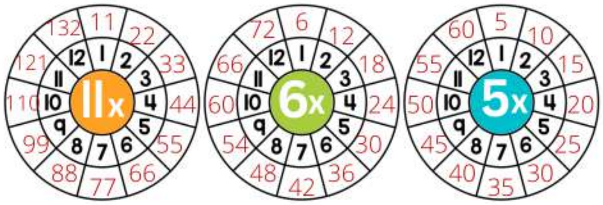


ANSWERS MAY VARY

time	hours	minutes
7:48		
10:04		

2 hours and 16 minutes

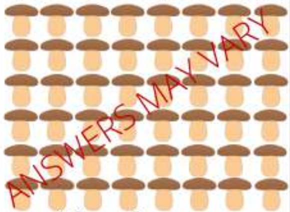
Complete these circles by multiplying the center number by each number around the circle.


11x
1 2 3 4 5 6 7 8 9 10 11 12
11 22 33 44 55 66 77 88 99 110 121 132
6x
1 2 3 4 5 6 7 8 9 10 11 12
6 12 18 24 30 36 42 48 54 60 66 72
5x
1 2 3 4 5 6 7 8 9 10 11 12
5 10 15 20 25 30 35 40 45 50 55 60

Fill in the missing numbers. Color the squares with EVEN numbers yellow.

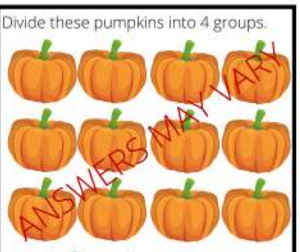
196	197	198	199	200	201	202	203	204	205

Divide these mushrooms into 6 groups.


ANSWERS MAY VARY

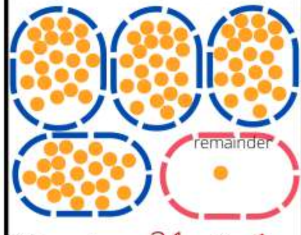
48 ÷ 6 = 8

Divide these pumpkins into 4 groups.


ANSWERS MAY VARY

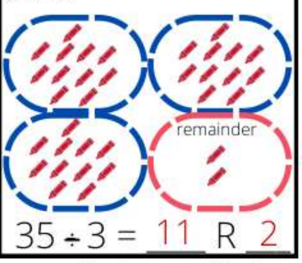
12 ÷ 4 = 3

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



85 ÷ 4 = 21 R 1

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

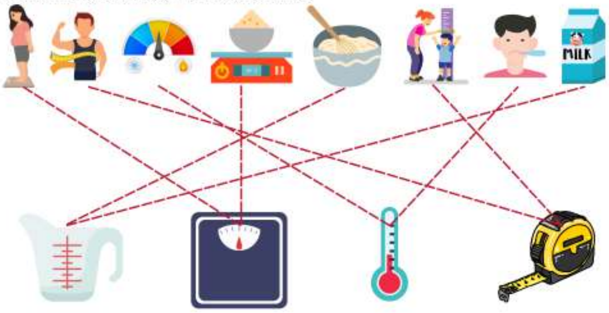


35 ÷ 3 = 11 R 2

30 minutes earlier	15 minutes earlier	current time	15 minutes later	30 minutes later
4:45	5:00	5:15	5:30	5:45
12:40	12:55	1:10	1:25	1:40
2:00	2:15	2:30	2:45	3:00

Date ____________________

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	3	33
7	2	14
77	6	

11	5	55
2	3	6
22	15	

11	9	99
8	6	48
88	54	

11	6	66
3	5	15
33	30	

11	8	88
6	9	54
66	72	

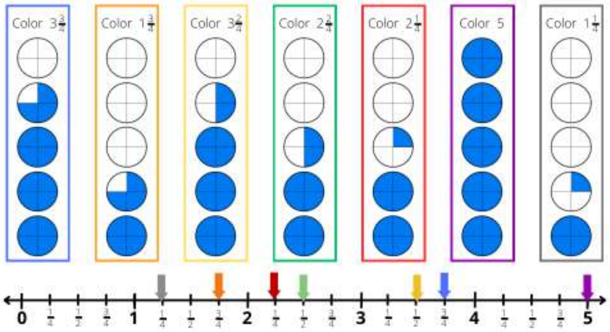
11	2	22
11	4	44
121	8	

11	7	77
9	7	63
99	49	

11	3	33
5	10	50
55	30	

11	10	110
4	8	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 $1\frac{1}{4}$
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 = 88
11 x 6 = 66
11 x 1 = 11
11 x 5 = 55
11 x 7 = 77
11 x 2 = 22
11 x 11 = 121
11 x 10 = 110
11 x 4 = 44
11 x 12 = 132
11 x 3 = 33
11 x 9 = 99

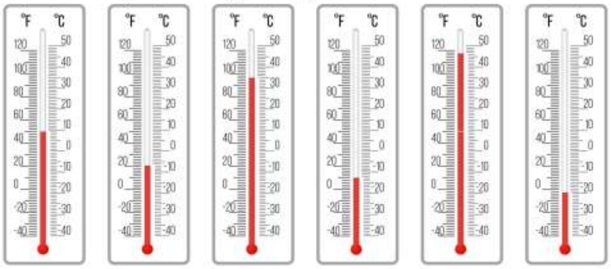
8 x 6 = 48
8 x 12 = 96
7 x 8 = 56
8 x 6 = 48
7 x 12 = 84
8 x 9 = 72
7 x 7 = 49
8 x 7 = 56
7 x 3 = 21
8 x 8 = 64
7 x 9 = 63
7 x 6 = 42

Find the quotients.

77÷11 = 7
55÷11 = 5
132÷11 = 12
22÷ 11 = 2
99÷11 = 9
11÷11 = 1
88÷11 = 8
110÷11 = 10
44÷11 = 4
66÷11 = 6
121÷11 = 11
33÷11 = 3

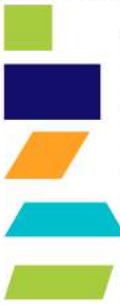
Date ______________________________

Write each temperature using both degrees fahrenheit and celsius.


°F
°C
120
100
80
60
40
20
0
-20
-40
50
40
30
20
10
0
-10
-20
-30
-40

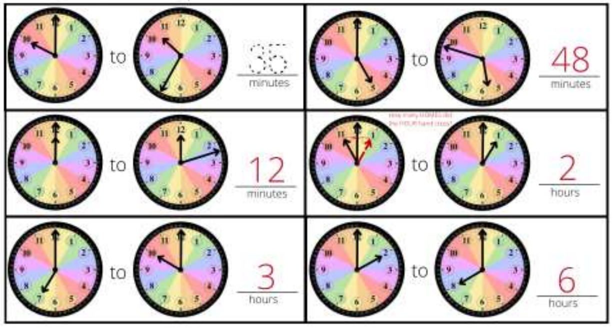
50°F	10*F	96*F	0*F	118*F	-2*F
9°C	-8*C	35*C	-17.5*C	46*C	-20*C

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



square	square
rectangle	rectangle
rhombus	rhombus
trapezoid	trapezoid
parallelogram	parallelogram

How much time has elapsed between each set of clocks?

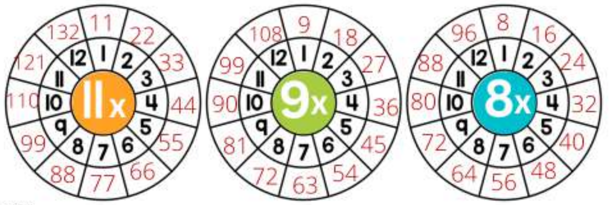

to
to
to
to
to
to
How many HOURS did the HOUR hand cross?

35 minutes	48 minutes
12 minutes	2 hours
3 hours	6 hours

Time Passes:

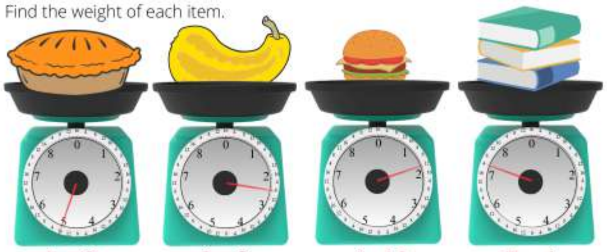
5:00	add 15 min.	5:15	add 15 min.	5:30
5:30	add 10 min.	5:40	add 25 min.	6:05
6:05	add 30 min.	6:35	add 21 min.	6:56

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

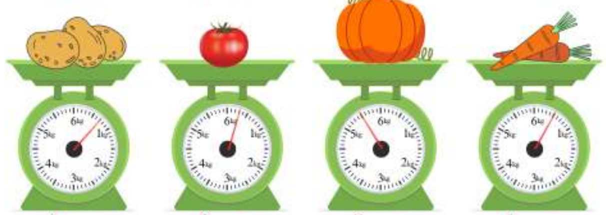

11x
12 132
1 11
2 22
3 33
4 44
5 55
6 66
7 77
8 88
9 99
10 110
11 121
9x
12 108
1 9
2 18
3 27
4 36
5 45
6 54
7 63
8 72
9 81
10 90
11 99
8x
12 96
1 8
2 16
3 24
4 32
5 40
6 48
7 56
8 64
9 72
10 80
11 88

Date ______________________________

Find the weight of each item.

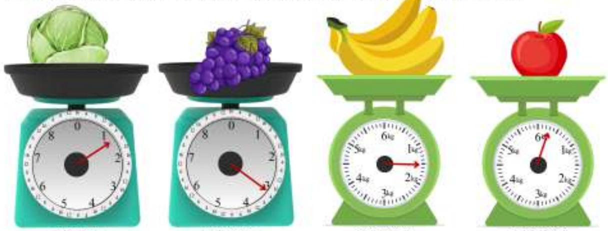


5 lb 0 oz	2 lb 8 oz	1 lb 12 oz	7 lb 4 oz



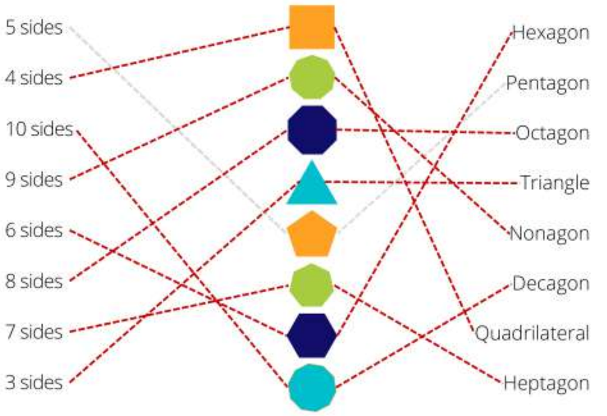
0 kg 700 g	0 kg 300 g	5 kg 500 g	0 kg 500 g

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

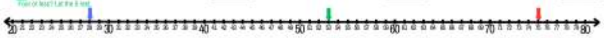
Draw lines to match the polygons across all three columns.


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

Round to the nearest TEN.

75 80	55 60	17 20	42 40
28 30	31 30	33 30	79 80
53 50	25 30	35 40	45 50

Five or more? Let the 7 soar (round UP)
Five or more? Let the 3 soar (round UP)
Four or less? Let the 5 rest.

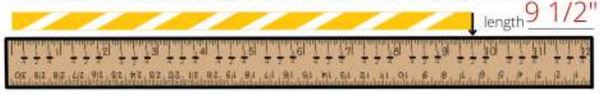


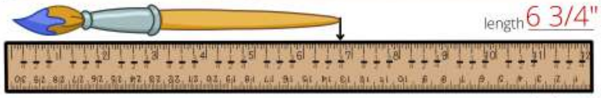
Round to the nearest HUNDRED.

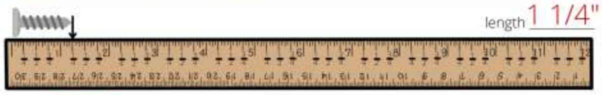
691 700	305 300	215 200	97 100
550 600	746 700	789 800	629 600
549 500	155 200	614 600	397 400

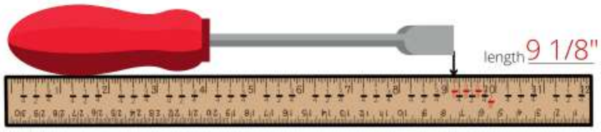
Date ____

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


length 9 1/2"


length 6 3/4"

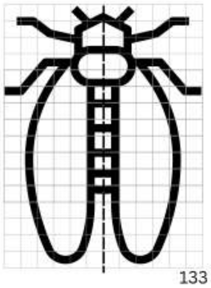

length 1 1/4"


length 9 1/8"

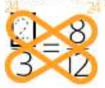
Sort out the jumbled up Greek prefixes then write the number of sides of a polygon each represents.

treat	tetra	four
heax	hexa	six
aedc	deca	ten
nnoa	nona	nine
peath	hepta	seven
coat	octa	eight
tenpa	penta	five

Finish drawing the insect around the line of symmetry.



Use the butterfly method to find the missing numbers.

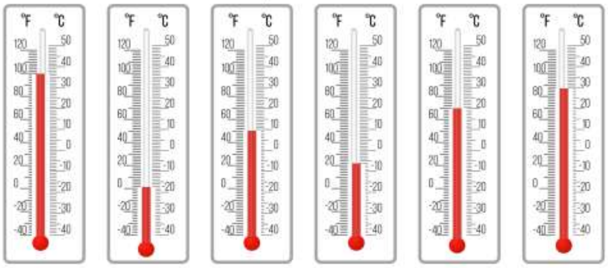


$\frac{1}{\boxed{4}} = \frac{2}{8}$ $\frac{4}{4} = \frac{\boxed{5}}{5}$ $\frac{1}{3} = \frac{4}{\boxed{12}}$

$\frac{1}{2} = \frac{\boxed{3}}{6}$ $\frac{2}{3} = \frac{6}{\boxed{9}}$ $\frac{1}{\boxed{5}} = \frac{2}{10}$ $\frac{\boxed{1}}{2} = \frac{2}{4}$

$\frac{8}{\boxed{10}} = \frac{4}{5}$ $\frac{\boxed{1}}{3} = \frac{3}{9}$ $\frac{3}{9} = \frac{4}{\boxed{12}}$ $\frac{3}{4} = \frac{\boxed{6}}{8}$

Color a red line to match the temperatures below each thermometer.


°F
°C
120
100
80
60
40
20
0
-20
-40
50
40
30
20
10
0
-10
-20
-30
-40

100°F	0°F	50°F	20°F	65°F	88°F
37°C	-18°C	9°C	-7°C	20°C	30°C

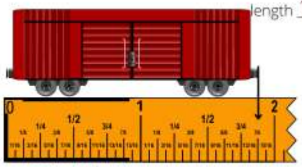
Fill in the missing numbers.

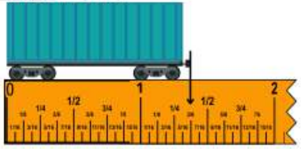
498	499	500	502	502	503	504	505	506	507
508	509	510	511	512	513	514	515	516	517

Date ____

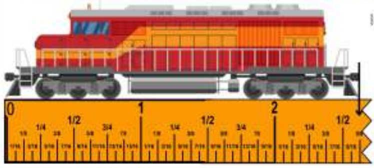
Use these broken pieces of rulers to find the length of each model train car.

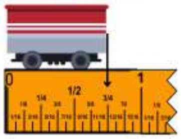
length 1 7/8" inches





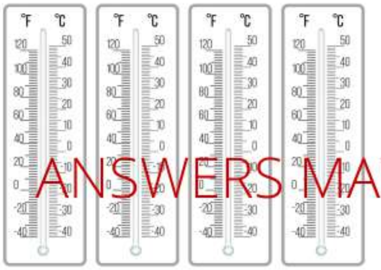
length 1 3/8" inches





length 2 5/8" inches

length 3/4" inches


°F
°C
120
100
80
60
40
20
0
-20
-40
50
40
30
20
10
0
-10
-20
-30
-40

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.

ANSWERS MAY VARY

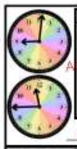
°F ____ ____ ____ ____

°C ____ ____ ____ ____

Fill in the missing numbers.

298	299	300	301	302	303	304	305	306	307

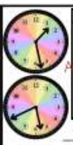
How much time has elapsed?



time	hours	minutes
9:01		
11:45		

ANSWERS MAY VARY

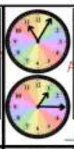
2 hours 44 minutes



time	hours	minutes
1:28		
5:41		

ANSWERS MAY VARY

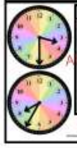
4 hours 13 minutes



time	hours	minutes
11:05		
1:15		

ANSWERS MAY VARY

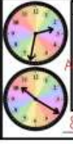
2 hours 10 minutes



time	hours	minutes
3:30		
8:35		

ANSWERS MAY VARY

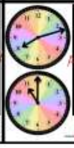
5 hours 5 minutes



time	hours	minutes
2:32		
10:20		

ANSWERS MAY VARY

8 hours 12 minutes

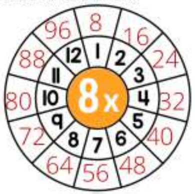


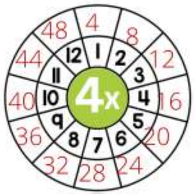
time	hours	minutes
8:12		
11:00		

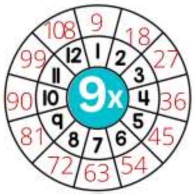
ANSWERS MAY VARY

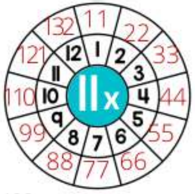
2 hours 48 minutes

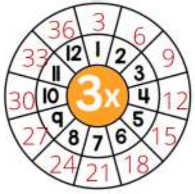
Complete these circles by multiplying the center number by each number around the circle.

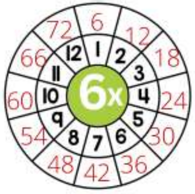

8x
1 2 3 4 5 6 7 8 9 10 11 12
8 16 24 32 40 48 56 64 72 80 88 96


4x
1 2 3 4 5 6 7 8 9 10 11 12
4 8 12 16 20 24 28 32 36 40 44 48


9x
1 2 3 4 5 6 7 8 9 10 11 12
9 18 27 36 45 54 63 72 81 90 99 108


11x
1 2 3 4 5 6 7 8 9 10 11 12
11 22 33 44 55 66 77 88 99 110 121 132


3x
1 2 3 4 5 6 7 8 9 10 11 12
3 6 9 12 15 18 21 24 27 30 33 36


6x
1 2 3 4 5 6 7 8 9 10 11 12
6 12 18 24 30 36 42 48 54 60 66 72

Date ______________________

Find the products.

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

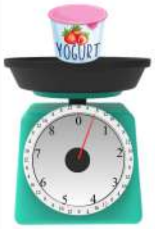
12 x 1 = 12
12 x 2 = 24
12 x 3 = 36
12 x 4 = 48
skip 5
12 x 5 = 60
12 x 6 = 72
12 x 7 = 84
12 x 8 = 96
12 x 9 = 108
skip 11
12 x 10 = 120
12 x 11 = 132
12 x 12 = 144

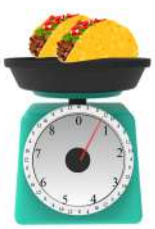
8 x 8 = 64
4 x 12 = 48
7 x 8 = 56
5 x 6 = 30
9 x 12 = 108
8 x 9 = 72
7 x 7 = 49
6 x 7 = 42
7 x 3 = 21
8 x 8 = 64
4 x 9 = 36
3 x 6 = 18

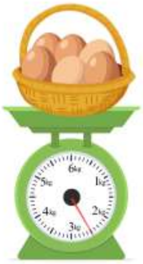
Find the quotients.

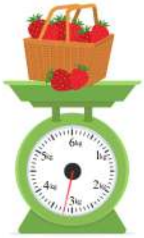
60÷12 = 5
96÷12 = 8
132÷12 = 11
36÷ 12 = 3
108÷12 = 9
24÷12 = 2
84÷12 = 7
144÷12 = 12
12÷12 = 1
72÷12 = 6
120÷ 12 = 10
48÷12 = 4

Find the weight of each item.


0 lb 8 oz


0 lb 12 oz


2 kg 500g


3 kg 200g

---

one less, one more
14, 15, 16
21, 22, 23
36, 37, 38
11, 12, 13
48, 49, 50
50, 51, 52

ten less, ten more
19, 29, 39
21, 31, 41
10, 20, 30
67, 77, 87
23, 33, 43
18, 28, 38

100 less, 100 more
44, 144, 244
21, 121, 221
270, 370, 470
515, 615, 715
28, 128, 228
612, 712, 812

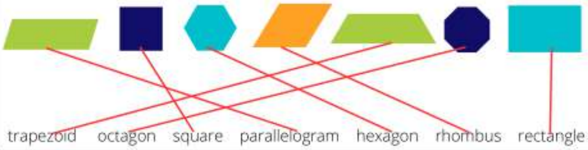
You want to give 5 of your friends 2 cups of juice each. How much juice will you use?

5 x 2 = 10

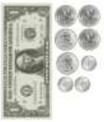
I bought 8 pints of soup. If each bowl holds one cup, how many bowls can I fill?

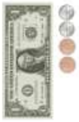
2 x 8 = 16

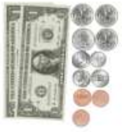
Draw lines to match each shape to its name.

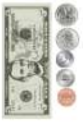


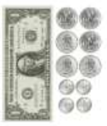
How much money is this?


$2.55
dollars cents


$1.22
dollars cents


$3.33
dollars cents

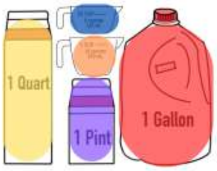

$5.66
dollars cents


$2.90
dollars cents

Date ______________________

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 equivalencies.

1 quart = 4 cups
1 gallon = 4 quarts
1 cup = 4 fourth cups
1 pint = 2 cups
2 pints = 8 half cups

1 cup = 3 third cups
12 cups = 3 quarts
8 quarts = 2 gallons
8 half cups = 4 cups
3 cups = 6 half cups

A spoonful of sugar:

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

1 tablespoon = 3 teaspoons
3 tablespoons = 9 teaspoons
1 teaspoon = 2 half teaspoons

1 tablespoon = 3 teaspoons
3 tablespoons = 9 teaspoons
1 teaspoon = 2 half teaspoons

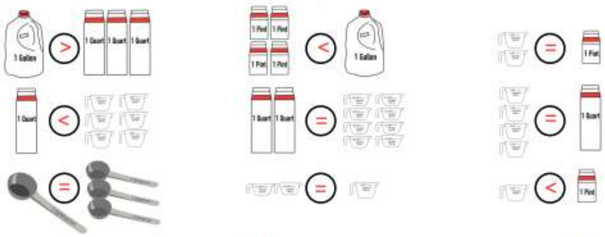
A half-baked plan:

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

1. ANSWERS MAY VARY
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.



> < =
< = =
= = <

How many cups fit in one gallon? 16
How many pints fit in one gallon? 8
How many cups fit in two gallons? 32
How many pints fit in two gallons? 16

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 = 72
12 x 7 = 84
12 x 5 = 60
12 x 4 = 48
12 x 8 = 96
12 x 1 = 12
12 x 12 = 144
12 x 10 = 120
12 x 9 = 108
12 x 2 = 24
12 x 11 = 132
12 x 3 = 36

8 x 7 = 56
5 x 12 = 60
7 x 6 = 42
5 x 5 = 25
9 x 5 = 45
8 x 8 = 64
3 x 8 = 24
6 x 6 = 36
4 x 9 = 36
7 x 7 = 49
4 x 11 = 44
3 x 3 = 9

6 x 9 = 54
6 x 8 = 48
7 x 8 = 56
5 x 8 = 40
4 x 4 = 16
8 x 9 = 72
7 x 7 = 49
3 x 9 = 27
5 x 6 = 30
4 x 9 = 36
4 x 5 = 20
5 x 8 = 40

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?

Cups, Tablespoons, Teaspoons, Gallon and Quart bags.

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

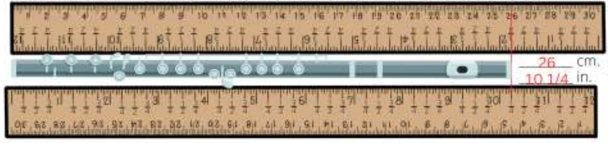
Fill in the missing numbers and color the squares with ODD numbers orange.

795	796	797	798	799	800	801	802	803	804

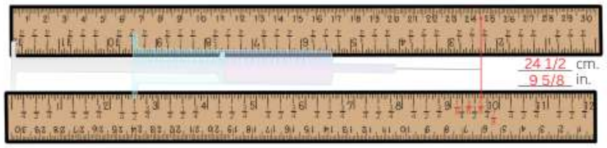
Date.

(Draw a horizontal 6 inch line, starting at the dot, for the date.) How many cm. is the line? 15.24

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



26 cm.
10 1/4 in.



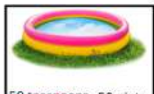
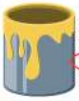
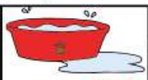
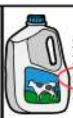
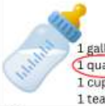
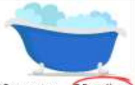
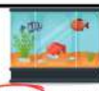
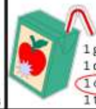
24 1/2 cm.
9 5/8 in.

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?

____

ANSWERS MAY VARY

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

---

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)? = 7 cm

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

41 - 12 29	35 +27 62	12 +13 25	24 +15 39	18 +17 35	56 - 13 43
31 - 15 16	24 +26 50	33 +38 71	82 - 24 58	57 - 32 25	44 +58 102
63 - 48 15	23 +43 66	17 +56 73	15 +15 30	54 - 35 19	45 - 37 8

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

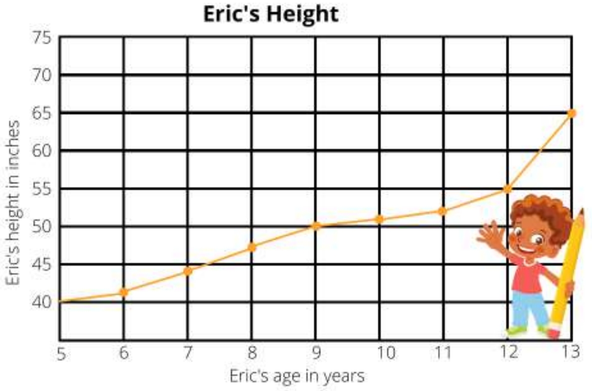
481	482	483	484	485	486	487	488	489	490
491	492	493	494	495	496	497	498	499	500
501	502	503	504	505	506	507	508	509	510

Complete these Fact Family houses.

132	72	84	108
12 11	12 6	7 12	12 9
12 x 11 = 132	12 x 6 = 72	12 x 7 = 84	12 x 9 = 108
11 x 12 = 132	6 x 12 = 72	7 x 12 = 84	9 x 12 = 108
132 ÷ 11 = 12	72 ÷ 12 = 6	84 ÷ 7 = 12	108 ÷ 12 = 9
132 ÷ 12 = 11	72 ÷ 6 = 12	84 ÷ 12 = 7	108 ÷ 9 = 12

Date ____________________

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



Approximately how tall was Eric (in inches) at age 6? 42 inches

How old was Eric when he was 50 inches tall? 9 years old

How tall was Eric at age 13? 65 inches tall

What age was Eric when he grew 10 inches in one year? 12 years old

At what age did Eric grow the least? 9 years old

How many inches did Eric grow from age 6 to age 13? 23

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?)

because age is continuous

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

What data is represented by the X axis? Eric's age in years

Fill in the missing factors to complete each number sentence.

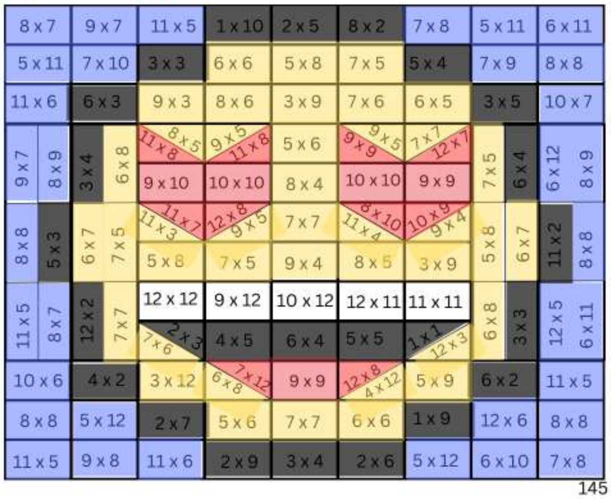
5 x 2 = 10
3 x 3 = 9
2 x 9 = 18
4 x 4 = 16
3 x 4 = 12
3 x 7 = 21
5 x 3 = 15

3 x 6 = 18
5 x 9 = 45
2 x 7 = 14
4 x 5 = 20
3 x 8 = 24
12 x 4 = 48
7 x 9 = 63

9 x 8 = 72
12 x 6 = 72
4 x 8 = 32
5 x 5 = 25
5 x 6 = 30
6 x 4 = 24
12 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 11	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 7 11 x 3	12 x 8 9 x 5	7 x 7	8 x 10 11 x 4	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
		2 x 3 7 x 6	4 x 5	6 x 4	5 x 5	1 x 1 12 x 3		
10 x 6	4 x 2	3 x 12	7 x 12 6 x 8	9 x 9	12 x 8 4 x 12	5 x 9	6 x 2	11 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
11 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

Date ____

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.

ANSWERS MAY VARY

How many times did you flip the coin? ________

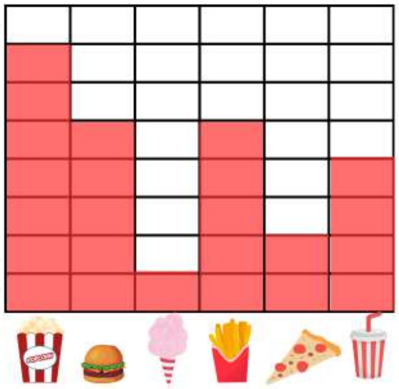
Did you flip more heads or tails? __________

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

Favorite Movie Snacks

Tally Chart

popcorn	卌 ||
hamburger	卌
cotton candy	|
french fries	卌
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? 24

Which movie snack is the favorite? popcorn

Which movie snack is the least favorite? cotton candy

How many MORE people prefer french fries than cotton candy? 4

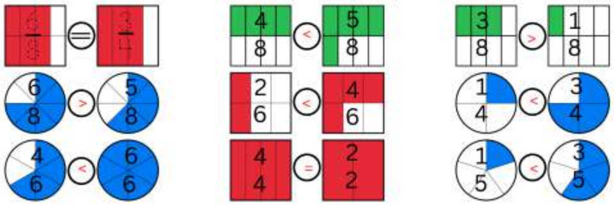
Can you solve these multiplication puzzles?

3	x	4	=	12
x		x		x
3	x	3	=	9
=		=		=
9	x	12	=	108

6	x	2	=	12
x		x		x
5	x	2	=	10
=		=		=
30	x	4	=	120

4	x	5	=	20
x		x		x
3	x	2	=	6
=		=		=
12	x	10	=	120

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.

$$\begin{array}{r} \boxed{3}\boxed{0} \\ +15 \\ \hline 45 \end{array} \quad \begin{array}{r} \boxed{4}\boxed{1} \\ +21 \\ \hline 62 \end{array} \quad \begin{array}{r} 32 \\ +\boxed{4}\boxed{3} \\ \hline 75 \end{array} \quad \begin{array}{r} 24 \\ +\boxed{4}\boxed{4} \\ \hline 68 \end{array} \quad \begin{array}{r} \boxed{3}\boxed{0} \\ +17 \\ \hline 47 \end{array}$$

$$\begin{array}{r} 19 \\ +\boxed{0}\boxed{1} \\ \hline 20 \end{array} \quad \begin{array}{r} \boxed{2}\boxed{5} \\ +25 \\ \hline 50 \end{array} \quad \begin{array}{r} 17 \\ +\boxed{7}\boxed{3} \\ \hline 90 \end{array} \quad \begin{array}{r} 99 \\ +\boxed{0}\boxed{1} \\ \hline 100 \end{array} \quad \begin{array}{r} 16 \\ +\boxed{1}\boxed{6} \\ \hline 32 \end{array}$$

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? ________________________

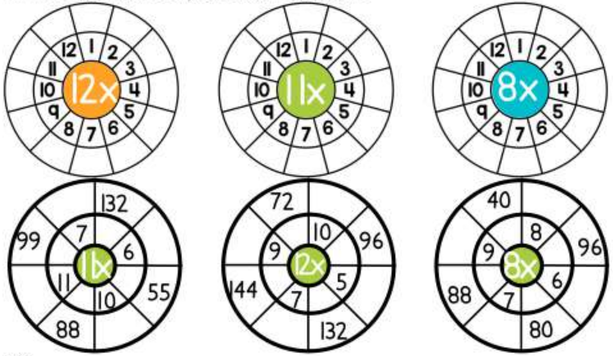
Which holiday got the least votes? ________________________

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	5	35
12	9	108
84	54	

12	2	24
7	3	21
84	6	

3	9	36
3	5	15
9	60	

4	3	12
4	7	28
16	21	

5	8	40
3	9	27
15	72	

8	12	96
12	4	48
96	48	

10	6	60
2	9	18
20	54	

9	11	99
5	8	40
45	88	

8	7	56
3	9	27
24	63	

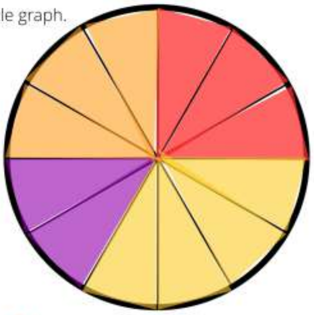
11	2	22
6	3	18
66	6	

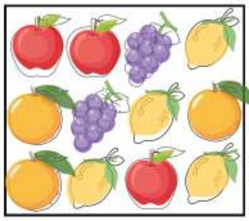
6	9	54
7	6	42
42	54	

2	11	22
6	12	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:

lemons are 4/12 of the chart

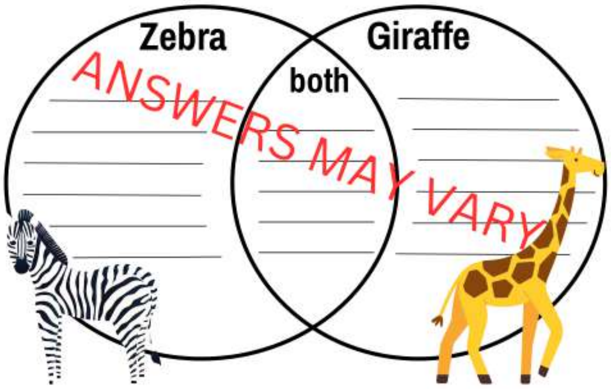
grapes are the least

there are the same number of apples and oranges

ANSWERS MAY VARY

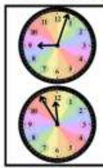
Date ____________________

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.



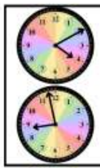
ANSWERS MAY VARY

How much time has elapsed?



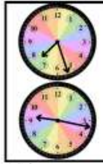
time	hours	minutes
9:03		
11:55		

2 hours and 52 minutes



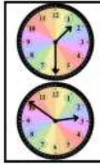
time	hours	minutes
4:10		
8:58		

4 hours and 48 minutes



time	hours	minutes
7:27		
9:17		

2 hours and 10 minutes

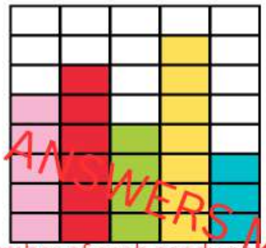


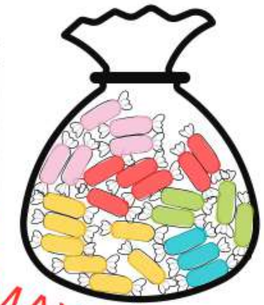
time	hours	minutes
1:30		
2:51		

1 hours and 21 minutes

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

title: Candy Colors





Number of each candy color

ANSWERS MAY VARY

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:

most of the candies are yellow.

the fewest candies are blue.

There are two more reds than green.

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

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

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

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

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? ____________

ANSWERS MAY VARY

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

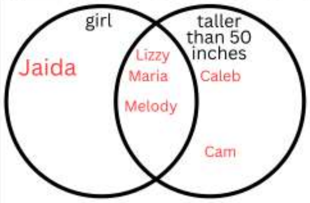
What other observations can you make about this data? ____________

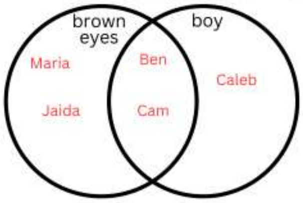
30 minutes earlier	15 minutes earlier	current time	15 minutes later	30 minutes later
7:25	7:55	8:10	8:25	8:55
12:35	12:50	1:05	01:20	01:35
01:50	02:05	2:20	2 : 35	2 :50

The months of the year are January, February, March, April, May, June, July, August, September, October, November, December.

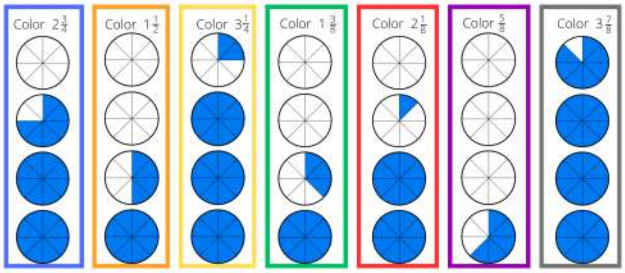
Use this chart to fill out both of the Venn Diagrams below with traits the kids in the chart have in common.

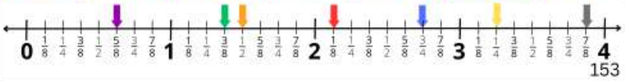
name	Melody	Lizzy	Caleb	Ben	Maria	Jaida	Cam
gender	girl	girl	boy	boy	girl	girl	boy
age	12	9	7	2	9	10	9
height	64 in.	55 in.	51 in.	33 in.	54 in.	48 in.	52 in.
eye color	blue	blue	green	brown	brown	brown	brown


girl
taller than 50 inches
Jaida
Lizzy
Maria
Melody
Caleb
Cam


brown eyes
boy
Maria
Jaida
Ben
Cam
Caleb

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

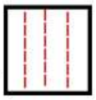

Color $2\frac{3}{4}$
Color $1\frac{1}{2}$
Color $3\frac{1}{4}$
Color $1\frac{3}{8}$
Color $2\frac{1}{8}$
Color $\frac{5}{8}$
Color $3\frac{7}{8}$



Date

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

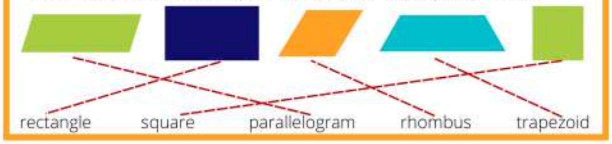
Draw 3 HORIZONTAL lines to divide this square into FOURTHS.



Use two OBLIQUE lines to divide this square into FOURTHS.

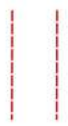
Draw 3 VERTICAL lines to divide this square into FOURTHS.

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


rectangle
square
parallelogram
rhombus
trapezoid

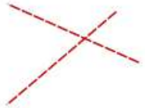
PARALLEL lines never intersect. Lines that intersect at RIGHT ANGLES (90 degrees) are PERPENDICULAR. Draw the following:

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



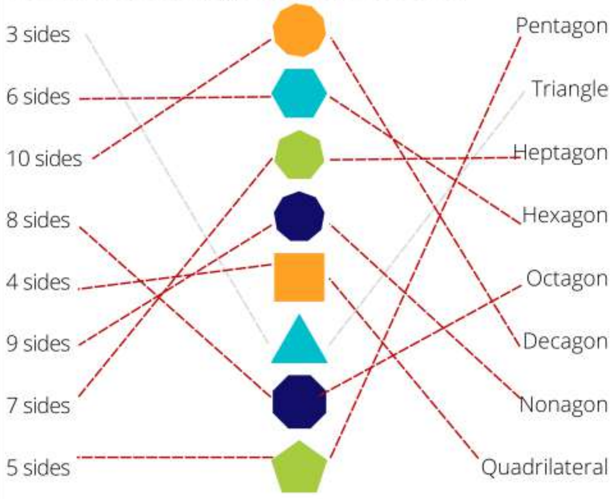
Continue each pattern:

11, 22, 33, 44, 55, 66, 77, 88, 99, 110, 121

5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60

8, 18, 28, 38, 48, 58, 68, 78, 98, 108, 128, 138

Draw lines to match the polygons across all three columns.


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

You have 5 dimes and your brother has 7 nickels.

You 50¢

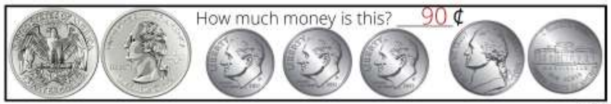
Brother 35¢

Who has more money? You

How much more? 15 ¢

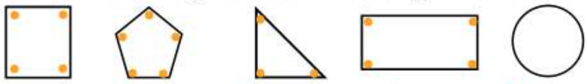
How much money do you have altogether? 85 ¢

How much money is this? 90 ¢



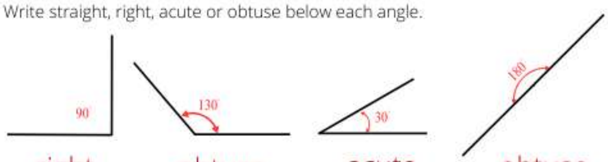
Date

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

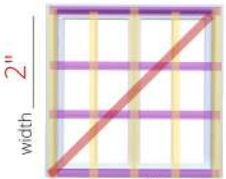


4 angles 5 angles 3 angles 4 angles 0 angles

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


90
130
30
180

right obtuse acute obtuse



length 2"

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? 2" x 2"

Put these numbers in order from smallest to largest.

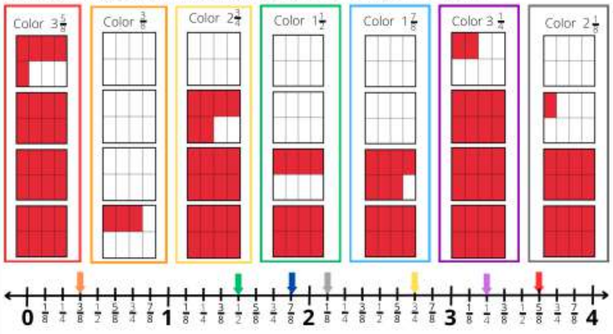
12 41 35 48 55 12 (smallest) 35 41 49 55 (largest)

35 67 82 29 48 29 (smallest) 35 48 67 82 (largest)

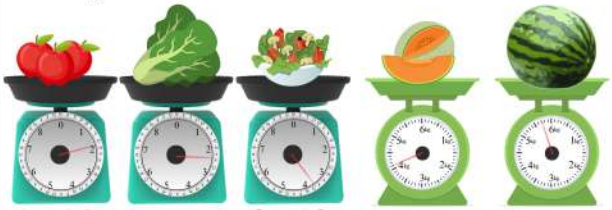
Trace the existing numbers, fill in the missing numbers and color the squares with EVEN numbers yellow.

501	502	503	504	505	506	507	508	509	510
485	486	487	488	489	490	491	492	493	494

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 $2\frac{1}{8}$
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

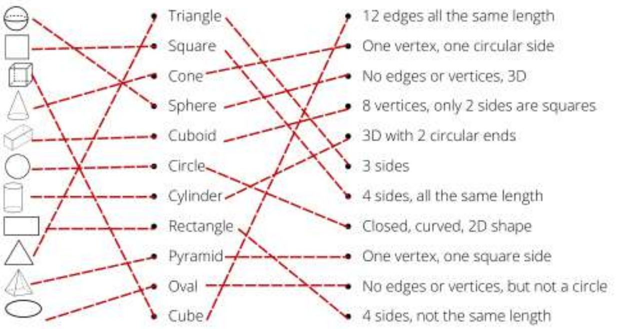
Find the weight of each item.



1 lb 14 oz 2 lb 6 oz 3 lb 10 oz 4 kg 100 g 5 kg 700 g

Date ______________________________

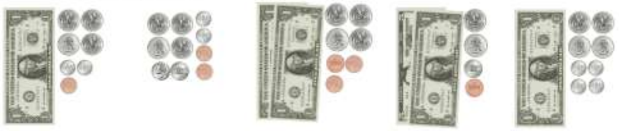
Match each shape to its name and attributes.



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?



$2.21 $1.32 $3.03 $2.56 $2.40
dollars cents

Complete these Fact Family houses.

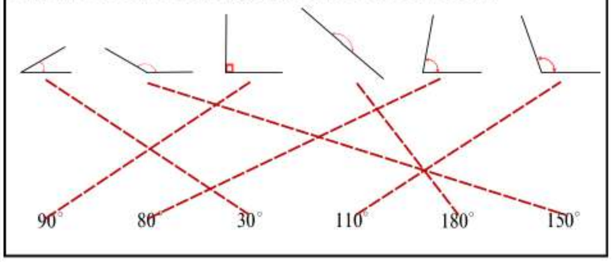
144 / 12 12
12 x 12 = 144
12 x 12 = 144
144 ÷ 12 = 12
144 ÷ 12 = 12

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

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

56 / 7 8
7 x 8 = 56
8 x 7 = 56
56 ÷ 7 = 8
56 ÷ 8 = 7

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			

ANSWERS MAY VARY

Count backward

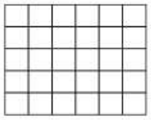
502
501
500
499
498
497
496
495
494

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

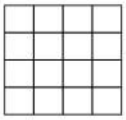
____

____

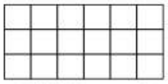
Date ______________________________



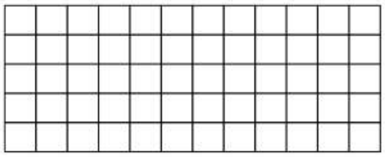
perimeter ______ units
area ______ square units



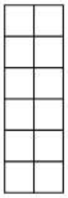
perimeter ______ units
area ______ square units



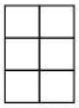
perimeter ______ units
area ______ square units



perimeter ______ units
area ______ units²



perimeter ______ units
area ______ units²

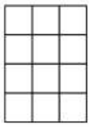


3 rows, 2 columns
3 x 2 = 6
perimeter ______
area ______

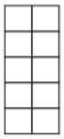
keep using units!

2 rows, 3 columns
2 x 3 = ___
perimeter ______
area ______

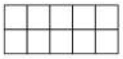
3 rows, 4 columns
3 x 4 = ___
perimeter ______
area ______



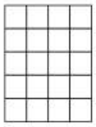
4 rows, 3 columns
4 x 3 = ___
perimeter ______
area ______



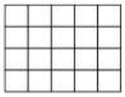
5 rows, 2 columns
___ x ___ = ___
perimeter ______
area ______



2 rows, 5 columns
___ x ___ = ___
perimeter ______
area ______

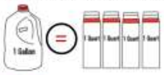


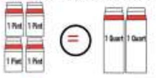
5 rows, 4 columns
___ x ___ = ___
perimeter ______
area ______

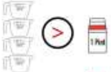


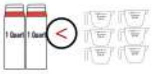
4 rows, 5 columns
___ x ___ = ___
perimeter ______
area ______

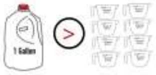
Write the correct comparison symbol (<, >, =) between each set of capacity measurements. Remember the shark always wants to eat the LARGER amount.

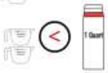

1 Gallon
=
1 Quart
1 Quart
1 Quart
1 Quart

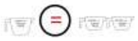

1 Pint
1 Pint
1 Pint
1 Pint
=
1 Quart
1 Quart

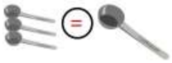


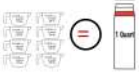

1 Quart
1 Quart
<



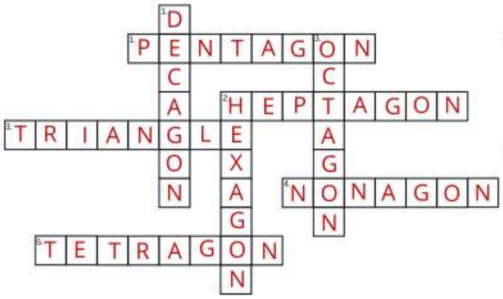








Complete the crossword puzzle.


1 DECAGON
1 PENTAGON
2 HEXAGON
2 HEPTAGON
3 OCTAGON
3 TRIANGLE
4 NONAGON
5 TETRAGON

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:

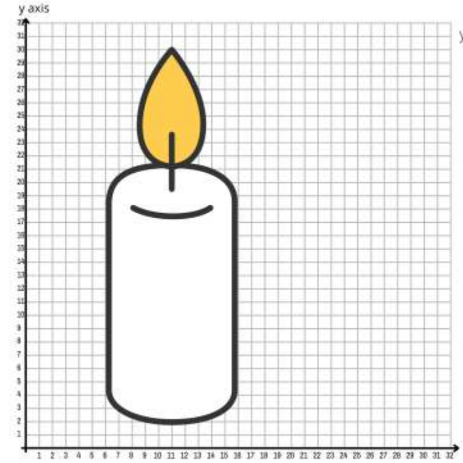
6, 16, 26, 36, 46, 56, 66, 76, 86, 96, 106, 116

6, 11, 16, 21, 26, 31, 36, 41, 46, 51, 56, 61

9, 18, 27, 36, 45, 54, 63, 72, 81, 90, 99, 108

Date ____________________________

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



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

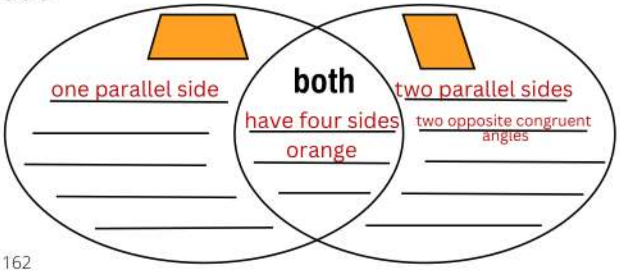
Start at (6, 4)
Draw a line to (10, 2)
then to (12, 2)
then to (16, 4)
then to (16, 19)
then to (12, 21)
then to (10, 21)
then to (6, 19)
then to (10, 18)
then to (12, 18)
then to (16, 19)

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)

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.


one parallel side
both
have four sides
orange
two parallel sides
two opposite congruent angles

Geometry Riddles

I am a 2D shape with 6 sides, all the same length. What am I? Hexagon

What do you have to know to get a good grade in Geometry? (all the angles)

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

Why was the obtuse angle upset? (Because he was never right)

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

What kinds of trees are mirror images of each other? (Symmetries)

I am a 2D shape with 9 sides, all the same length. Regular Nonagon

What size is an adorable angle? (acute little angle)

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

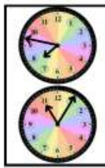
Why don't we argue with circles? (because there is no point)

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

My five equal angles are all obtuse and I have no parallel lines. Pentagon

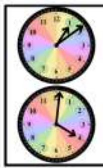
I have 5 vertices, 1 square face and 4 triangular faces. Square-based pyramid

How much time has elapsed?



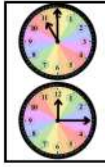
time	hours	minutes
7:47		
11:05		

3 hours and 18 minutes



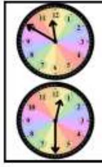
time	hours	minutes
1:09		
4:01		

2 hours and 52 minutes



time	hours	minutes
11:00		
12:15		

1 hours and 15 minutes



time	hours	minutes
11:50		
12:30		

0 hours and 40 minutes