What is Place Value?

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:



thousands hundreds tens ones thousands hundreds tens ones

How many chocolate candies? Read each number aloud.



Fill in the blanks of these multiplication circles so that the outer circle is the PRODUCT of the middle circle and the innermost circle. (2.22) review level 2, lesson 22 if you have questions about this concept



Put these numbers in order from smallest to largest.



Label the fractions, then name them aloud. (2.46) review level 2, lesson 46 if you have guestions about this concept



#3 Date _____

Review these line segment types (2.78) review level 2, lesson 78 if you have questions about this concept





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



Rounding Steps:

- 1. Circle the digit in the place to which you are rounding.
- **2.** Look at the digit in the next place to the right. If it's 4 or less let your circled digit rest. If it's 5 or more, let your circled digit soar one number higher.
- 3. Make all digits to the right of the circled digit zeros.



Round to the nearest HUNDRED:

BO5 BOC	564	675	353
D13 Four or less? Let the 1 rest.	421	231	649
Eve or more? Let the 2 soar (round UP to 3).	115	254	528

Round to the nearest THOUSAND: <u>550</u> <u>2000</u> Five or more? Let the 1 soar (round UP). 2133 1464 2751 649 3012 <u>8000</u> Four or less? Let the 3 rest. 421 2310 1110 ____ 1728_____)488 __()() 1254 our or less? Let the 1 rest 0 100 200 300 400 500 600 700 800 900 1000 ¹¹⁰⁰ 1200 1300 1400 1500 1600 1700 1800 1900 2200 2300 2400 2500 2600 2700 2800 2900 L743 Round to the nearest TEN Round to the nearest TEN Round to the nearest HUNDRED ____

Round to the nearest HUNDRED ______ Round to the nearest THOUSAND ______

Round to the nearest THOUSAND __



Color the MIXED NUMBER in each colored rectangle. Then draw an arrow that color pointing to that mixed number on the number line below. (2.46)



Divide the heart into two equal halves with a VERTICAL line. Label each half with a fraction and color the LEFT half red. (2.78)

Draw the correct comparison symbol between the numbers. (2.2)

202 : <	220	501	501	110	101
453	435	492	429	345	354

Order these numbers from smallest to largest. (3.2)

111	209	141	290	114	smallest	 	 largest
89	102	98	201	210	smallest	 	 largest
179	132	155	123	197	smallest	 	 largest

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. (2.46)





Fill in the missing addends or sum to complete each number sentence.

3 + 🗌 = 10		1 + 🗌 = 4		1+7=
		— + 0 = 9		+ 5 = 9
2 + 🗌 = 9		2 + 8 =		3 + 🔤 = 8
4 + 🗌 = 8		4 + 🗌 = 5		2 + 🗌 = 7
Find the sums v	without regrou	ping.		
23 + 13	52 + 14	$\frac{31}{+27}$	$\frac{18}{+20}$	25 + 24

Find the differences without regrouping.

42	34	35	57	25
<u>- 12</u>	- 21	<u>- 11</u>	- 36	<u>- 10</u>

Find the sums with regrouping.





Find the differences with regrouping.





ones







Match each shape to its name and attributes. (2.80)

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? (2.51)



Fill in the blanks of these multiplication circles so that the outer circle is the PRODUCT of the middle circle and the innermost circle. (2.36)







Fill in each square with factors such that the **product** of each set of factors, horizontally and vertically, are correct. (2.36)









6	2	3	8	6	6	3	5	9	4	10	8	5	7	10	3
+6	+8	+7	+2	+4	+6	+3	+5	+9	+4	+10	+8	+2	+2	+1	+0
10	7	4	10	4	4	10	7	1	3	2	5	6	3	6	7
+10	+3	+6	+100	+6	+4	+10	+7	+1	+3	+2	+5	+6	+2	+2	+1
5	8	6	7	8	5	8	4	3	5	9	6	10	7	4	1
+5	+2	+4	+3	+2	+5	+8	+4	+3	+5	+9	+6	+10	+7	+2	+2
4	+2	8	5	3	3	10	7	1	4	3	2	1	9	5	9
+4	+2	+8	+6	+7	+3	+10	+7	+1	+4	+3	+2	+1	+9	+5	+2
3	7	5	10	7	6	1	4	8	2	1	6	4	5	2	3
+3	+7	+5	+11	+3	+6	+1	+4	+8	+2	+1	+6	+4	+5	+2	+3
8	1	10	6	2	2	9	1	10	6	2	5	3	1	7	4
+8	+1	+10	+7	+8	+2	+9	+1	+10	+6	+2	+5	+3	+1	+7	+4
4	9	2	8	3	10	2	5	3	7	4	6	8	3	2	1
+4	+9	+2	+9	+7	+10	+2	+5	+3	+7	+4	+6	+8	+3	+2	+1
6	3	7	3	6	8	3	7	2	8	4	2	4	1	6	10
+6	+3	+7	+4	+4	+2	+7	+3	+8	+2	+6	+2	+4	+1	+6	+10
2	10	4	5	2	3	4	3	4	3	8	2	7	4	8	3
+2	+10	+4	+6	+8	+7	+6	+7	+6	+7	+2	+8	+7	+4	+8	+3
7	5	1	9	2	8	7	2	6	2	7	4	6	6	10	4
+7	+5	+1	+10	+3	+2	+3	+8	+4	+8	+3	+6	+4	+6	+10	+4
10	4	6	6	5	4	8	7	3	6	2	4	3	10	5	7
+10	+4	+6	+10	+6	+6	+2	+8	+4	+7	+8	+6	+7	+10	+5	+7
3	6	4	3	4	7	6	6	5	8	6	7	1	8	2	6
+9	+9	+9	+10	+10	+3	+4	+9	+10	+10	+4	+3	+2	+2	+9	+9
7	5	2	10	4	6	8	5	3	10	8	4	7	5	9	10
+9	+9	+9	+9	+9	+4	+2	+9	+9	+9	+2	+6	+9	+6	+10	+9

Write the answer to each problem in its space. Then color that space to match the list of addition tools below. If a problem could belong to multiple tools, wait to color it until you can see from the context what it should be. In this picture, 5+5 is a doubles fact.





times two doubles times two plus one doubles plus one add ten subtract one add nine count on in the tens place add ten count on in that place add 100, 100



What time is shown on these clocks? Write the time on the digital clock below. (2.9)





Geometry Riddle:

What's a polygon?

13



Find the SUMS and DIFFERENCES by adding or subtracting mentally.

23 ⊕ 10 = add 1 in the tens place	777 - 100 =	111- 100 =
7501 = subtract 1	1445 + 1000 =	4045 - 1000 =
<u>401</u> + 100 = <u>add 1 in the</u> hundreds place	134 - 10 =	1027 - 10 =
$\underline{234} + 100 = \underline{}_{\text{hundreds place}}$	241 + 1000 =	2410 + 1000 =
55 - 10 = subtract 1 in the tens place	358 - 10 =	598 - 10 =
$29 + 1 = _\ add 1$	321 + 10 =	300 + 10 =
193 - 10 =the tens place	2755 - 100 =	2550 - 1000 =
<u>275 + 100 =add 1 in the</u>	825 + 1000 =	3105 + 1000 =
1303 + 1000 =	1545 + 1000 =	1100 + 100 =

Find the sums by adding multiples of ten in the correct column.



1342 + 200 =	add 2 in the hundreds place
3104 + 30 =	add 3 in the tens place
1505 + 50 =	add 5 in the tens place
1342 + 500 =	add 5 in the hundreds place
1272 + 400 =	add 4 in the hundreds place
2113 + 2000 =	add 2 in the thousands place
1004 + 300 =	add 3 in the hunreds place

Draw a dot inside each angle. Count the numbers of angles in each shape. (2.79)

Write straight, right, acute or obtuse below each angle. (2.79)





Trace the existing numbers, fill in the missing numbers and color the squares with EVEN numbers yellow. (1.47)

	100				
					117

#9 Date ____

Word Problem Steps:

1. Read the problem carefully.

- 2. 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.



Fill in the blanks of these multiplication circles so that the outer circle is the PRODUCT of the middle circle and the innermost circle. (2.36)





Color the coins needed to buy each item. (2.51)



Fill in each square with factors such that the product of each set of factors, horizontally and vertically, are correct. (2.36)





Use a ruler to measure the length and width of this window in inches. Remember to write the units! Trace all horizontal lines purple. (2.66)

- 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? _____

#10 Date ____

Each box holds a HALF DOZEN donuts. How many donuts do you have?



Each bag has TEN jelly beans. How many jelly beans do you have?



Each watermelon slice has FIVE seeds. How many seeds are there?



Each bunch has THREE bananas. How many bananas do you have?



Find the products. (2	2.36)	Find the quotients.
8 x 8 =	7 x 6 =	49÷7 =
8 x 6 =	7 x 12 =	64÷8 =
8 x 1 =	7 x 1 =	84÷7 =
8 x 5 =	7 x 5 =	72÷8 =
8 x 7 =	7 x 11 =	42 ÷7 =
8 x 2 =	7 x 4 =	56÷7 =
8 x 11 =	7 x 7 =	88÷8 =
8 x 10 =	7 x 1 =	48÷8 =
8 x 4 =	7 x 3 =	63÷7 =
8 x 12 =	7 x 8 =	28÷7 =
8 x 3 =	7 x 9 =	56÷8 =
8 x 9 =	7 x 10 =	96÷8 =

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

		500		5
	508			

Complete these Fact Family houses. (2.36)





Color the number in each colored rectangle. Then draw an arrow that color pointing to the number on the number line below. (2.46)





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. (2.45)



Do you see a pattern? Look at the boxes above with an EVEN dividend (6 and 8). Now look at the boxes with an ODD dividend (7, 5, 3 and 9). What's the pattern?

(2.78)

Jumbled up Greek prefix	Greek Prefix	Number of sides
treat	tetra	four
anon		
heax		
theap		
edca		
coat		
tenap		

Use these words to label the diagrams below:











#13 Date _

Compare these fractions by drawing the correct comparison symbol (<, >, =) between them. Use your FRACTION BARS or FRACTION CIRCLES to help.



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



Fill in each square with factors such that the product of each set of factors, horizontally and vertically, are correct. (2.36)







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

0-25 26-50 51-75 76-100 100+

8 x 4	4 x 7	5 x 6	5 x 8	7 x 5	8 x 9	7 x 9	5 x 10	4 x 11
3 x 12	7 x 5	11 x 3	6 x 6	6 x 9	7 x 8	8 x 8	7 x 7	6 x 8
8 x 6	6 x 7	12×3×1		5 x 12	12×6×8	22/00 22/00 22/00	6 x 5	5 x 7
7 x 6	12×3×8	8 x 10	9 x 9	8 x 12	10 x 10	9 x 9	14 × 80	7 x 5
6 x 5	7 x 12	9 x 10	10 x 10	9 x 9	10 x 10	9 x 9	12 x 7	9 x 4
4 x 12	9 x 11	9 x 11	9 x 9	9 x 10	9 x 9	9 x 11	8 x 12	4 x 8
4 x 7	9 x 9	10 x 8	7 x 12	11 x 9	8 x 10	10 x 9	8 x 11	6 x 6
8 x 4	8 x 12	12 x 8	9 x 11	10 x 8	9 x 10	9 x 11	9 x 9	8 x 4
5 x 8	9 x 11	11 x 9	9 x 10	12 x 7	8 x 11	10 x 9	10 x 12	10 x 11
10 x 4	9 x 9	8 x 12	7 x 12	9 x 9	12 x 12	11 x11	8 x 11	11 x 3
8 x 6	8+6+9	12 x 7	8 x 10	7 x 12	9 x10	10 x 8	12×8	8 x 5
11 x 4	6 x 8	6+8	12 x 8	8 x 10	8 x 12	10×10 11×4	6 x 8	7 x 6





Find the products. (2.22)

Find	the	auotients
T II IU	UIC	quotients.

8	Х	4	=				
8	Х	9	=				
8	Х	1	=				
8	Х	6	=				
8	Х	7	=				
8	Х	1	2 =	= _	 		
8	Х	5	=				
8	Х	8	=				
8	Х	3	=				
8	Х	1	0 =	= _	 		
8	Х	1	1 =	= _	 		
8 26	X	2	=				

7	Х	6 =	
7	х	12 =	_
7	х	8 =	
7	х	5 =	
7	х	2 =	
7	х	11 =	_
7	х	4 =	
7	х	10 =	_
7	х	3 =	
7	Х	1 =	
7	Х	9 =	
7	х	7 =	

		 _
48÷8	=	
63÷7	=	
16÷8	=	
64÷8	=	
56÷8	=	
32÷8	=	
56÷7	=	
49÷7	=	
24÷8	=	
96÷8	=	
72÷8	=	
40÷8	=	

Place the correct comparison symbol (<, >, =) in the circle between each set of shapes. Then write the fraction on top of each shape. (2.2)





Color the number in each colored rectangle. Then draw an arrow that color pointing to the number on the number line below. (2.46)



#15 Date _____

Add the fractions and color the sections of the empty circle to find the SUM.





Fill in the missing factors to complete each number sentence. (2.36)

8 x 🗌	= 40
🗌 x 3	= 24
7 x 🗌	= 49
4 x 🗌	= 16
🗌 x 4	= 36
3 x 🗌	= 21
🗌 x 3	= 15

 $3 \times 2 = 21$ x 9 = 45 $8 \times 2 = 56$ $4 \times 2 = 20$ x 8 = 32 $12 \times 2 = 96$ x 9 = 63 9 x = 72x 6 = 72 6 x = 485 x = 25x 6 = 30 6 x = 24x 3 = 36

Can you solve these multiplication puzzles? (2.36)

2	X	4	=	
X		X		X
3	X		=	9
=		=		=
	X		=	

	Χ	5	=	
X		X		X
4	X	1	=	
=		=		=
	X		=	

1	X		=	
X		X		X
2	X	6	=	
=		=		=
	X	24	=	

Put these numbers in order from smallest to largest. (3.2)



Complete these Fact Family houses. (2.36)



#16	Date
Trace	then write each word.
who	le number
mix	ed number
fna	ction

What fractional part is colored? (3.14)



Multiply the number by each of the numbers in the center circle. Write the products in the outer circle. (2.36)







Capacity Measurement. (2.68)

How many quarts fit in one gallon? _____

How many pints fit in one gallon? How many pints fit in two gallons?

How many cups fit in one quart? _____ How many pints fit in one quart? _____

How many cups fit in one gallon?

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



Let's make a VENN DIAGRAM. (2.74)

Think of your favorite book that has been made into a movie. Write down as many things as you can think of that the book and movie have in common, then write lists for just the book or movie that they don't share.



#17 Date _____



How much time has elapsed?



How long is your flight?			How long is your movie?			How long is your day camp?		
Departure 8:20 AM Arrival 4:45 PM			The Lego Movie Start 10:10 AM End 1:15 PM			Admit One 82 82 Start 9:05 AM 82 82 TR30 End 3:55 PM 30		
time	hours	minutes	time	hours	minutes	time	hours	minutes
8:20 AM		40	10:10 AM			9:05 AM		
9:00 AM								
12:00 PM	1.1							
4:00 PM	:							
4:45 PM		"t0	1:15 PM			3:55 PM		
<u>85_</u> minutes			minutes				minutes	
Are there r If so, TRADI	nore than 6 E 60 minute	50 minutes? es for 1 hour.	Are there more than 60 minutes? Are there more than 60 minutes? If so, TRADE 60 minutes for 1 hour. If so, TRADE 60 minutes for 1 h				60 minutes? es for 1 hour.	
_ <u>6</u> ho	urs and 🛄	🕒 minutes	ho	urs and	minutes	ho	urs and	minutes

Find products. $6 \times 12 =$	Find quotients. $36 \div 6 =$
6 x 3 =	72÷6 =
6 x 8 =	66÷6 =
6 x 5 =	24÷6 =
6 x 6 =	42÷6 =
6 x 2 =	54÷6 =
6 x 11 =	18÷6 =
6 x 9 =	48÷6 =
6 x 4 =	30÷6 =
6 x 7 =	12÷6 =

Draw hands on each clock to show: Quarter Before Current Time





14 2 8 housands hundreds tens

	_
Round to the nearest HUNDRED	
Round to the nearest THOUSAND	

1	8	3	1
thousands	hundreds	tens	ones

Round to the nearest TEN

Round to the nearest HUNDRED _____

Round to the nearest THOUSAND _____

7	х	1	2 =	=		
8	Х	8	=		_	
7	Х	5	=		_	
8	х	6	=		-	
7	Х	8	=		_	
8	Х	1	1 =	=		
7	х	9	=		_	
8	Х	9	=		-	

Find products.

8 x 12 =

Find quotients. $64 \div 8 =$ ____ $72 \div 8 =$ ____ $63 \div 7 =$ ____ $84 \div 7 =$ ____ $56 \div 8 =$ ____ $96 \div 8 =$ ____ $48 \div 8 =$ ____ $49 \div 7 =$ ____ $40 \div 8 =$

Quarter After

7 x 7 =





2 1 1 4 housands hundreds tens

Round to the nearest TEN	
Round to the nearest HUNDRED	
Round to the nearest THOUSAND	

#18 Date _____

Find the price of each meal. How much change will I get if I pay with \$10.00?



Order these numbers from smallest to largest. (3.2)

101	113	110	131	311	smallest	 	 largest
189	118	198	181	108	smallest	 	 largest
121	112	120	123	127	smallest	 	 largest
401	104	114	410	411	smallest	 	 largest
678	768	867	786	687	smallest	 	 largest

one less	one more	ten less	ten more	100 less	100 more
<u>415</u> , 41	6, <u>417</u>	<u>406</u> ,4	16, <u>496</u>	<u> </u>	16, <u>516</u>
, 10	1,	, 10	01,	, 1	01,
, 23	7,	, 23	37,	, 2	37,
, 31	2,	, 3	12,	, 3	12,

How much money is this?



Complete these Fact Family houses. (2.36)

48	42	54	72	66
6 8	6 7	9 6	12 6	6 11
x =	x =	x =	x =	x =
x =	x =	x =	x =	x =
-÷_ =_	*_ =	+ =	* =	÷ =
÷_ =	=	+ =	÷ =	÷ =

Fill in the blanks of these multiplication circles so that the outer circle is the PRODUCT of the middle circle and the innermost circle. 2.36)







#19 Date _____

Draw lines to match each picture in the top row with the correct tool in the bottom row. Each tool has two matches.



Which unit of measurement should we use? Circle the correct unit.

degrees pounds inches	gallons centimeters	inches centimeters miles	pounds tons ounces
inches feet yards miles	JUICE JUICE ourts miles teaspoons	pounds tons ounces	degrees yards miles
Fill in each square with factors such that the product of each set of factors, horizontally and vertically, are correct. (2.36)



How many chocolate candies? Read each number aloud. (3.1)



#20 Date

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



Which units of length should we use? Circle the correct unit.



Use these broken pieces of rulers to find the length of each block.

1/2 3/4 7/8 1/2 3/4 7/8 1/2 3/4 7/8 5/8 5/8 7/8 5/8 5/8 7/8 5/8 5/8 7/8 5/8 5/8 7/8 5/8 5/8 7/8 5/8 5/8 7/16 5/16 7/16 1/16 13/16 13/16 13/16 13/16 13/16 13/16 13/16 13/16 13/16 13/16 13/16 13/16 13/16 13/16 13/16 13/16 13/16	0 1/2 1/4 1/4 1/2 1/4 1/2 1/4 1/2 1/4 1/2 1/4 1/2 1/4 1/2 1/4 1/2 1/4 1/2 1/4 1/2 1/4 1/2 1/4 1/2 1/4 1/2 1/4 1/2 1/4 1/2 1/4 1/2 1/4 1/2 1/4 1/2 1/4 1/2 1/4 1/2 1/4 1/4 1/2 1/4 1/4 1/2 1/4 1/4 1/4 1/2 1/4 1/4 1/2 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4
length inches	length inches
0 1/2 1/4 1/2 1/4 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	1/2 1/2 1/2 1/2 1/4 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2
length inches	length inch
Use a ruler to measure these line segme	ents in customary and metric units.
	<u>33</u> in. g _{om 5mm}

Fill in each square with factors such that the product of each set of factors, horizontally and vertically, are correct. (2.36)









#21 Date_

How much juice is in each measuring container? (oz is the abbreviation for ounces)



Graph the amounts of juice above in the columns below.



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



Circle the best estimate of the capacity of each item.

							Y			_	
1 L	1mL	1kL	1 c	1gal	1tsp	1 g	1mg	1kg	1 L	1mL	1kL

ſ	Custom	ary Units:	1 ft = 12	in 3 f	t = 1 yd	1 mi = 5280 f	t
l	kilo	hecta	deca	base unit	deci	centi	milli
l	1000 L=1 kL	100 L=1 hL	10 L = 1 daL	liter	1 L=10 dL	1 L=100 cL	1 L=1000 mL
(Convert the	se US Cust	omary ler	ngth units.	(3.20)		
1	4 feet =	yards	feet	1	mile =	feet	
1	5 inches =	foot	inches	s 2	0 feet =	yards	feet
2	29 feet =	yards	feet	3	5 inches =	feet _	inches
5	5 feet =	_yard	_inches	4	feet =	_ yard	_inches
C	Convert the	se metric l	ength units	s. (3.20)			
7	70 cm =	mm	10 m	ım =	cm	59 m = _	cm
ç	90 mm =	cm	40 m	nm =	cm	800 mm	= cm
1	000 cm = _	m	500	cm =	m	61m = _	cm
1	000 mm =	m	10 m	n = cm	1	9000 mr	n = cm 41

#22 Date

Which units of weight should we use? Circle the correct unit.





1 pound (lb) = 16 ounces (oz) 1 ton = 2000 lb	1 kilogram (kg) = 1000 grams (g) 1 g = 1000 mg
Convert US Customary weight units.	Convert metric weight units.
1 lb = oz	1 kg=g
2 lbs = oz	20 kg = g
1 ton = lbs	3500 g = kg g
35 oz = lb oz	4000 mg = g
50 oz = lb oz	5100 g =kg g

Measurement word problems. Draw a picture then write a number sentence to solve the problem.

A wood board is 4 feet long. We need to cut it into 6 equal pieces. How long will each piece be?	You have one quart of orange juice. If you pour an equal amount into 4 glasses, how many ounces will each glass hold?
4 feet = inches	1 quart = ounces
number of number of length of inches pieces each piece	number of amount in ounces glasses each glass
Your water bottle holds 9 liters. It's half full. how much water do you have? 9 L = mL $\frac{1}{\frac{1}{2}} = \frac{1}{\frac{1}{\frac{1}{2}}}$	You gathered eggs from your chickens. The biggest egg is 54 grams and the smallest egg is 37 grams. How much bigger is the biggest egg?
You got up at 8:10, which is 40 minutes later than usual. What time do you usually get up?	You started math at 9:15 am and it took you 45 minutes to complete. Then you read a book for 30 minutes and studied science for 20 minutes. What time did you finish?

#23 Date

Use a red crayon to show the freezing Nor point and the boiling point of water as well as normal body temperature. These were given in today's video. Write the temperatures in both scales on the lines below the thermometers.

Normal body temperature:

Freezing point of water:

Boiling point of water: _____

Normal Body Temp. Boiling Point Freezing Point °F °F °F °C °C °C 212 194 176 158 140 122 104 86 68 50 32 14 -4 -58 -76 -94 -112 -130 212 194 176 158 140 122 104 86 68 50 32 14 -4 212 194 176 158 140 122 104 86 68 50 32 14 -4 -22 -40 -58 -76 -94 112 130 90 80 70 60 50 40 30 20 10 0 -10 -20 -30 -22 -40 -58 -76 -94 -40 -50 -60 -70 -80 -90 Q: 9: Q: G.-. G.-. 0.--

Color pieces of each bottom shape so it matches the top shape. Then write each equivalent fractions number sentence. (2.57)



Write each temperature using both degrees fahrenheit and celsius. Circle any temperatures you recognize as important.



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! (2.57)



Find the products. What is the significance of the colored problems? (2.36)

8 x 5 =	7 x 7 =	6 x 12 =	4 x 2 =
8 x 12 =	7 x 11 =	6 x 11 =	4 x 6 =
8 x 6 =	7 x 8 =	6 x 8 =	4 x 4 =
8 x 3 =	7 x 9 =	6 x 4 =	4 x 11 =
8 x 11 =	7 x 3 =	6 x 2 =	4 x 1 =
8 x 7 =	7 x 4 =	6 x 7 =	4 x 3 =
8 x 1 =	7 x 2 =	6 x 10 =	4 x 8 =
8 x 9 =	7 x 12 =	6 x 5 =	4 x 5 =
8 x 2 =	7 x 6 =	6 x 1 =	4 x 10 =
8 x 10 =	7 x 1 =	6 x 3 =	4 x 12 =
8 x 8 =	7 x 5 =	6 x 9 =	4 x 7 =
8 x 4 =	7 x 10 =	6 x 6 =	4 x 9 =
			45

Draw lines to match each data set to the best type of graph.



Fill in the missing numbers. (1.16)

98				107

Find the missing member of each FACT FAMILY. (2.36)





How many chocolate candies? Read each number aloud. (3.1)



Convert these length units. (2.65)

16 ft = yd ft	12 km = m	3 cm = mm
14 in = ft in	3000 mm = m	900 mm = cm
25 ft = yd ft	2 m = cm	6 m = mm
1 mi = ft	37 m = cm	100 mm = cm 47

#26 Date _____

Build a FREQUENCY TABLE and then a PICTOGRAPH.





Color pieces of each bottom shape so it matches the top shape. Then write each equivalent fractions number sentence. (2.57)



Draw the correct comparison symbol (<, >, =) between each set of fractions below. Use your FRACTION BARS or FRACTION CIRCLES to help. (2.2)

$\frac{\frac{2}{2}}{\frac{2}{3}} \approx \frac{\frac{3}{4}}{\frac{2}{3}}$	$\frac{\frac{2}{8}}{\frac{5}{6}} \frac{\frac{2}{9}}{\frac{5}{8}}$	$\begin{array}{c} 1 & \frac{3}{3} & \frac{3}{9} \\ \frac{1}{1} & \frac{7}{7} \end{array}$
1 gal = 4 qt 1 qt = 4 c	1 pt = 2 c 1 c = 8 oz	1 oz = 2 Tbsp 1 Tbsp = 3 tsp
$1 c = \ oz$	1 Tbsp = tsp	9 qt = gal pt
1 qt = c	1 gal = pt	16 oz = c
1 qt = oz	1 gal = qt	10 pt = gal c
16 c = gal	9 tsp = Tbsp	16 Tbsp = oz
2 oz = Tbsp	1 c = Tbsp	20 Tbsp = c oz 49

#27 Date _____

The superheroes had a race. The graph below shows how many miles each superhero ran in one hour. How many miles did each superhero run?



Which superhero ran the most miles? _____

Who ran the least? _____

How many MORE miles did Spiderman run than Iron Man?

How many miles did all of the superheroes run together?

How many MORE miles did Captain America run than Spiderman?





Color the coins needed to buy each item. (3.18)



(2.44)



52

Lizzy took the temperature at 10:00 am every day last week in Plano, TX.



Plano, TX Temperature in October





#29 Date ____

Each WHOLE day is 24 hours. This is how Lizzy spent her day today.



Multiply the number by each of the numbers in the center circle. Write the products in the outer circle. (2.36)







One tenth means one whole divided into ten parts. We can write "divided by" as $1\div10$ or as $\frac{1}{10}$ or as 1/10. They all mean the same thing the same thing.

Per also means "divided by". Cent means one hundred. Per cent means "divided by one hundred".

percent



$15\% = \frac{100}{100}$	$19\% = \frac{100}{100}$	
$27\% = \frac{100}{100}$	$68\% = \frac{100}{100}$	$56\% = \frac{100}{100}$
$33\% = \frac{100}{100}$	$41\% = \frac{100}{100}$	$72\% = \frac{100}{100}$

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. Split those halves between each group. How many are in each group? (2.45)



Find the missing member of each FACT FAMILY. (2.36)



#30 Date

Add the multiples of 3 and 4 to the correct circles. Cross out each number as you use it. Which numbers do both groups share?



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. Split the HALVES between the two groups. How many are in each group? (2.45)



Draw lines to divide each set into equal FOURTHS. Each fourth is one group. If there is a leftover, circle it in red, then use two lines to cut it into FOURTHS. Split the leftover FOURTH between the groups. How many are in each group?



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

name	swims	hikes	bikes
Flsa		X	X
Caleb			X
Mae	Х	Х	Х
Lizzy	Х	Х	
Henry	Х		
Jason		Х	
Brandt	Х	Х	Х
Claire		Х	
Jen	Х	Х	Х
Natali	Х	Х	
Levi	Х		
Nat		Х	Х
Katie	Х	Х	
Lily			Х



Each block has 100 squares. Fill in the blanks and color squares to show each percentage.



Fill in each square with factors such that the product of each set of factors, horizontally and vertically, are correct. (2.36)



#31 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				
2,193					
Two thousand one hundred ninety-three				_	
2000 + 100 + 90 + 3	Thousands	Hundreds	Tons	Ones	
4.532	THOUSAHUS	- Handredd	16112	UIES	
Thousands Hundreds Tens Ones	Thousands	Hundrods	Tons	Oper	
2.679	mousands	Hundreds	Tens	Offes	
_,					
Thousands Hundreds Tens Ones	Thousands	Hundreds	Tens	Ones	
3,018					
Thousands Hundreds Tens Ones	Thousands	Hundreds	Tens	Ones	

What numbers do these base ten blocks represent? Read each number aloud.



Graph these pairs of shoes on the line plot using x's.



How much time has elapsed between each set of clocks? (2.60)



How much time has elapsed? (2.60)

10 12 1	14 Turney and	L	mana film on kranne		time	hours	minutes
. 9 🔶 3 .	time 0:10	nours	minutes	.9 🔶	1:15		100000000000
7 6 5	10,00	E	1.202	7 6 5	11.114-154504		
	H:CC	£2	30				
	11:30		10340340			13	
• 9 3.		L hour an	 >><	·? ~ 3·	3:20	D.	n
	<u>2</u> hou	r and <u>20</u>	_minutes	2 6 5	hou	irs and	minutes
11 127							
	time	hours	minutes		time	hours	minutes
.8 4.	2:03			·9 3.	11:05		
7 6 5 mm				2 6 5			
ii ⁱ² i				ii ¹² 1			
10 2*	5:15				12:10		
8 4				.8 4.		att	
6	hou	r and	_minutes	Contraction of the second seco	hou	ir and	minutes

Т



Color the number in each colored rectangle. Then draw an arrow that color pointing to the number on the number line below. Some of these fractions have two names.



See how this number line has fractions divided into sixths. Why? 60

Color the shape on the RIGHT so it matches the shape on the LEFT. Then write each equivalent fractions number sentence. (2.57)



Add the fractions to find the SUM. Color the sections of the empty circle. (3.15)



Find the missing fraction and color the sections of the empty circle. (3.15)



Each block has 100 squares. Fill in the blanks and color squares to show each percentage.



#33 Date _____



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

955	742	555	399	744
300	282	110	803	1001



1. This number has the same number of ones, tens and hundreds.

2. This number is the least.

3. This number has three ONES.

4. This number is one less than four hundred.

5. This number is the most. _____

6. All of the digits in this number are EVEN.

7. This number has zero tens and zero ones.

8. This number has nine HUNDREDS.

9. This number has the same number of tens and ones, but not hundreds.

10. This number has twice as many TENS as ONES.

Find the two numbers you are comparing on the number line. The number FARTHEST to the right is the LARGEST. Read each number sentence out loud.

100 101 102 103 104 105 106 107 108 109	110 ¹¹¹ 112 113 114 115 116 117 118 119 120 121 122 123 124 125 124	6 127 128 129 130 131 132 133 134 135 136 137 138 139 14 () ¹⁴¹ 142 143 144 145 146 147 148 149 150
141 114	103 130	119_120	147 🗌 144
105 150	121 112	109 120	138 138
000 000 070 000 000 000 000 000 000 000	700 180 100 100 100 100 100 100 100 100 1	0 200 180 180 1 20 180 20 190 20 180 180 190 200 1900 200	0 2100 200 200 200 200 200 200 200 200 2
1981 1891	1619 1916	2001 1999	2085 1852
1763 1673	1704 1704	1780 1870	2080 2090
62			

Convert these length units. (3.20)

18 ft = ____ yd 5 m = ____ mm 200 mm = ____ cm 1 mi = _____ ft 17 feet = ____ yd ____ ft Convert these capacity units. (3.21) 10 qt = ____ gal ____ pt 2 c = ____ oz 18 c = ____ gal ____ c 4 oz = ____ Tbsp 2 gal = ____ qt

Fill in each square with factors such that the product of each set of factors, horizontally and vertically, are correct. (2.36)



Divide each set into equal halves by drawing lines around groups. Split any leftover in HALF between the two groups. How many are in each group? (2.45)



Divide each set into THIRDS by drawing lines around equal groups. Split any leftover equally between the THREE groups. How many are in each group?



Divide each set into FOUR equal groups. Split any leftover items equally between the FOUR groups. How many are in each group?





The commutative property of multiplication states that the same numbers can be multiplied in any order and the resulting PRODUCT will be the same. 64

4 x 3 =

4 x 8 = ____

4 x 9 =

4 x 10 =

28÷4 =

24÷3 =

48÷4 =

36÷3 =

3 x 4 = _____ equals three, four times

3 x 12 = ____

3 x 2 = ____

3 x 1 =





Use these broken pieces of rulers to find the length of each item.





Use a ruler to measure these line segments in customary and metric units.

6cm Hmm

#35 Date



Use the tens and ones charts to find the differences.



Complete these Fact Family houses. (2.36)





Add the fractions to find the SUM. Color the sections of the empty circle. (3.15)

Find the missing fraction and color the sections of the empty circle. (3.15)



How much money is this? (3.18)



1212 + 300 =	add 3 in the hundreds place
5375 + 3000 =	add 3 in the thousands plac
4838 + 50 =	add 5 in the tens place
2128 + 500 =	add 5 in the hundreds place
4059 + 20 =	add 2 in the tens place
6630 + 2000 =	add 2 in the thousands plac
3546 + 400 =	add 4 in the hunreds place

10.00

-	add 3 in the hundreds place
-	add 3 in the thousands place
	add 5 in the tens place
	add 5 in the hundreds place
	add 2 in the tens place
_	add 2 in the thousands place
	add 4 in the

5010 + 6 =	add 6 in the ones place
1102 + 30 =	add 3 in the tens place
1018 + 200 =	add 2 in the hundreds place
768 + 4000 =	add 4 in the thousands place
1249 + 400 =	add 4 in the hundreds place
2410 + 1000 =	add 1 in the thousands place
1401 + 8 =	add 8 in the ones place



thousands hundreds tens

68

ones



ones



#37 Date

Decompose numbers into smaller parts that are easier to add and subtract.



Use mental math to find the sum of each problem.

Problem	Decompose	Rearrange	Sum
31 + 44	(30 + 1)+(40 + 4)	(30 + 40)+(+ 4)	75
25 + 34	(20+5)+(30+4)	(20 + 30)+(5 + 4)	59
46 + 12	(40 + 6)+(10 + 2)	(40 + 10) + (6 + 2)	
52 + 41	()+()	()+()	
22 + 60	()+()	()+()	
43 + 54			
17 + 52			
61 + 38			
35 + 23			
83 + 15			

When you have too many ones, regroup them into TENS and ones.

56 + 38	(50 + 6) + (30 + 8)		입니
47 + 36	(40 + 7) + (30 + 6)	(u() + 3)+ () + 3	83
35 + 29			
70	•		



What number does each animal represent?



Could we have used different animal to represent each number? Let's use LETTERS to represent numbers. What number does each letter represent?







#38 Date


X represents the missing addends. What is X in each number sentence?



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 its HOME. (3.17)







Finish the pattern:

380,	385,	390,	/	 _/	_//	·/	
393,	396,	399,	/	 ./	_//	·,	

Identify and label all of the parts, then complete the number sentences. (3.6)



74



Use your FRACTION CIRCLES to compare these fractions by drawing the correct comparison symbol (<, >, =) between them. (2.2)

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

Complete these Fact Family houses. (2.36)



Division Symbols:

Truths:

$\frac{8}{4} = 2$	8÷4=2	4) <u>8</u>	quotient divisor)dividend	Division by ZERO is UNDEFINED. 0/0 is INDETERMINATE. Division by ONE is ITSELF. Multiplication by one is itself.
-------------------	-------	-------------	------------------------------	---

Use circles to group the items, then complete the equations. (3.39)

$\frac{24}{3} =$	24 ÷ 3 =	3)24	What is 1/3 of 24?
	25 ÷ 5 =	5)25	What is 1/5 of 25?
$\sqrt[3]{0}$ $\sqrt[3]{0}$ $\sqrt[3]{12}{3} =$	12 ÷3 =	3/12	What is 1/3 of 12?

Divide the marbles into S	SIX equal groups. (3.39)				
	What is 1/6 of 18?	What is 4/6 of 18?			
	What is 2/6 of 18?	What is 5/6 of 18?			
	What is 3/6 of 18?	What is 6/6 of 18?			
Divide the cubes into SIX	equal groups.				
	What is 1/6 of 12?	What is 4/6 of 12?			
	What is 2/6 of 12?	What is 5/6 of 12?			
	What is 3/6 of 12?	What is 6/6 of 12?			
Divide the matchsticks into SIX equal groups.					
•••••••••	What is 1/6 of 24?	What is 4/6 of 24?			
	What is 2/6 of 24?	What is 5/6 of 24?			
	What is 3/6 of 24?	What is 6/6 of 24?			

Draw lines to match each fraction to its meaning.	4
0	2
1	<u>1</u> 0
indeterminate	<u>1</u> 1
undefined	<u>0</u>
2	0 1

Put these numbers in order from smallest to largest. (3.2)

512	521	502	215	520	smallest		·	largest
697	796	976	679	967	smallest			largest
Find th	e value c	of the ba	se ten b	locks. (:	3.1)		atta	
thousa	ands hundre	eds tens	ones) t	housands hundre	eds tens	ones
thousa	ands hundre	eds tens	ones		ť	housands hundre	eds tens	ones 77

Exponents:	
2°=	$2^{3} = 2 \times 2 \times 2 = $
3°=	3 ³ = 3 x 3 x 3 =
4°=	$4^3 = 4 \times 4 \times 4 = $
5°=	$5^3 = 5 \times 5 \times 5 = $
2 ¹ =	$2^4 = 2 \times 2 \times 2 \times 2 = $
3 ¹ =	3^4 = 3 x 3 x 3 x 3 =
4 ¹ =	$4^4 = 4 \times 4 \times 4 \times 4 = $
5 ¹ =	5^4 = 5 x 5 x 5 x 5 =
$2^2 = 2 \times 2 = $	2 ⁵ = 2 x 2 x 2 x 2 x 2 =
$3^2 = 3 \times 3 = $	35= 3 x 3 x 3 x 3 x 3 =
$4^2 = 4 \times 4 = $	$4^{5} = 4 \times 4 \times 4 \times 4 \times 4 = $
$5^2 = 5 \times 5 = $	5⁵= 5 x 5 x 5 x 5 x 5 =

#41

Date

Multiply the number by each of the numbers in the center circle. Write the products in the outer circle.



2 less	2 more	20 less	20 more	200 less	200 more
<u>85</u> , 8	7, <u>89</u>	<u>125</u> , 1	45, <u>165</u>	<u>197</u> , 3	397, <u>597</u>
, 1	16,	, 3	52,	, ∠	401,
, 7	02,	, 8	64,	, (510,

Color the coins needed to buy each item. (3.18)



Find the missing member of each FACT FAMILY. (2.36)



#42 Date		
Find the positive	square roots.	Find the roots.
√16 =	√ <u>25</u> =	∛64 =
√81 =	√1 =	√8 =
√36 =	√4 =	∛125 =
√64 =	√ <u>4</u> 9 =	∛27 =

Use a calculator to find the following exponential numbers and positive roots.



Add the fractions to find the SUM. Color the sections of the empty circle. (3.15)



Find the missing fraction and color the sections of the empty circle. (3.15)



2°=
2 ¹ =
$2^2 = 2 \times 2 = $
$2^3 = 2 \times 2 \times 2 = $
2 ⁴ = 2 × 2 × 2 × 2 =
2 ⁵ = 2 x 2 x 2 x 2 x 2 x 2 =

$$3^{0} = _____$$

$$3^{1} = ______
$$3^{2} = 3 \times 3 = _____$$

$$3^{3} = 3 \times 3 \times 3 = ______$$

$$3^{4} = 3 \times 3 \times 3 \times 3 = ______$$

$$3^{5} = 3 \times 3 \times 3 \times 3 \times 3 = ______$$$$



Draw lines to connect each column.



#43 Date _____

Read and write each time in 12-hour and 24-hour time formats.



Convert each time from 24-hour format to 12-hour format. Include A.M or P.M.

20:15 =	01:12 =	11:01 =
04:04 =	09:55 =	23:01 =
19:37 =	13:30 =	15:15 =





Use circles to group the items, then complete the equations. (3.39)

000000000000000000000000000000000000000	$\frac{28}{4} =$	28 ÷ 4 =	4)28	What is 1/4 of 28?
	<u>36</u> 4	36÷4 =	4)36	What is 1/4 of 36?
	<u>20</u> =	20÷4=	4)20	What is 1/4 of 20?

Fill in each square to complete each number sentence correctly. (2.36)

2	Χ	5	=	\bigcirc
X		X		X
3	Χ	1	=	00
Π		=		Π
0	Χ	CI O	=	30

2	Χ	4	=	
X		X		X
3	X	3	Π	
=		=		=
	X		=	

1	X	2	=	
X		X		X
4	Χ	3	Π	
=		=		=
	X		=	

#44 Date

Use your calendar to answer the following questions:

1. How many days are there between Valentine's Day and St. Patrick's Day?

2. You are going on vacation in ten days. What will be the date? ______

3. Your piano teacher gave you a new song today. She wants you to learn and memorize it

for your recital May 15. How many days do you have?

Draw lines to match each month to the number of days it has.



You started reading at 19:10. Your book took two hours and 15 minutes to finish. What time (24-hour time) did you finish? (2.60)

begin	finish	time	hours	minutes
		19:10		





add/subtract 3 in the HUNDREDS place 300 less 300 more 98_, 398, <u>698</u> ____, 525, ____ , 409,

Find the sums and differences. (2.14) and (2.15)

51 + 13	47 + 24	$\frac{39}{+27}$	$\frac{28}{+50}$	86 + 24
42 - 15	$\frac{15}{+35}$	50 - 27	<u>- 19</u>	33 - 24
59 + 29	86 - 48	91 - 47	36 + 40	48 - 28

What number does each letter represent?



Fill in each square with factors such that the product of each set of factors, horizontally and vertically, are correct. (2.36)

















Complete the blanks in these circles. (2.36)



Find the missing numbers to complete each equation. (3.36)





	(0.0 0)
+1	31
7	52
1	1
L	
+1	57
3	25

Х

Find the value of X in each equation and write it in the box below.



#46 Date

Fill out this check to pay Toys R Us for a new toy. You decide the amount.

	DATE
PAY TO THE ORDER OF	\$
	Dollars 🗊
🔬 LifeSkillsBank	
12347659 : 003341234	

You earned \$50 and you received \$30 for your birthday. Save some then write the rest as a deposit on the first line. Then follow the instructions below at least four times.

 Choose an item to buy.
 Round the price of the item to the nearest dollar.
 Write the rounded price of the item in the expense column.
 Subtract the rounded amount from the balance and write your new balance. 5. Repeat.

	Memo	Deposit	Expense	Balance	
		<u> </u>			
	\$3.59			•1	G
		9.11	No li		23.7g
					100
60		\$4.99			
8.55	\$2.50		2.5	5.0 ^A	800
00					



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

504 503	
---------	--





Fill in each square with factors such that the product of each set of factors, horizontally and vertically, are correct. (2.36)



Color the number in each colored rectangle. Then draw an arrow that color pointing to the number on the number line below. Some of these fractions have two names. (3.16)



Why does this number line have fractions divided into eighths?

#49 Date

Color the shapes on the right that are congruent to the shape on the left.



Color the shapes on the right that are congruent to the shape on the left. Label each polygon with its name.



Complete the missing half of each shape across the red line of symmetry.



Each block has 100 squares. Fill in the blanks and color squares to illustrate each percentage equation.



Divide each SET into the number of groups that is the DENOMINATOR of the fraction. For example, if the denominator is 2, divide the set into 2 groups. (3.39)











What number does A represent in each equation?

8 + A = 13	A =	A + 4 = 4	A =
5 + A = 12	A =	18 - A = 9	A =
9 - A = 6	A =	A + 5 = 16	A =

Find the missing numbers to complete each equation. (3.36)



Find the value of X in each equation and write it in the box below.



95

Х

#51 Date



perimeter _____ units area _____ units²

perimeter _____ units area _____ units² 96



Word Form (3.31)	Expanded	Standard
Two hundred twelve	200+10+2	212
	500+1	
		680
Two hundred thirty-two		
One hundred ninety		
	300+50+6	
Five hundred twenty		
Six hundred		
		187
	400+40+9	

Fill in the missing spots. Which number is the largest?

Which number is the smallest?

Which numbers have all even digits?

Which number has zero tens and zero ones?



Find the squares. (3.41) Find the positive square roots. √16 =____ $2^{2}=$ $6^{2} =$ √81 =____ $3^{2}=$ $7^{2} =$ √36 =____ $4^{2}=$ $8^{2} =$ $5^{2} =$ √64 =____ $9^{2} =$

√25 =____ 97

#52 Date ____

Find the missing dimensions.





obe merida	finder to find the barr	i or cacil problem. (c		
Problem	Decompose	Rearrange	Sum	55 + 23 =
43 + 25	(40 + 3)+(20 + 5)	(40 + 20)+(3 + 5)	68	41 + 21 =
36 + 13	(30 + 6) + (10 + 3)	(30 + 10)+(6 + 3)	Ч٩	16 + 62 =
24 + 34				21 + 28 =
45 + 42				53 + 45 =
51 + 28				32 + 54 =

Use mental math to find the sum of each problem. (3.37) Add mentally.



How much money is this? (3.18)



Round each amount above to the nearest dollar.



What comes next?





Draw lines to match the terms to the correct picture, then write each term.



Why can't you measure the length of a line? _____

Draw lines to match terms. (3.41) indeterminate	$1\frac{1}{2}$
mixed number	$\frac{1}{0}$
0	<u>1</u> 1
undefined	$\frac{0}{0}$
whole number	$\frac{0}{1}$
1	2

Use your FRACTION CIRCLES to compare these fractions by drawing the correct comparison symbol (<, >, =) between them. (2.2)

$\frac{1}{4}$ >-	<u>1</u> 5	<u>1</u> 2	$\frac{4}{8}$	<u>3</u> 6	<u>5</u> 10	<u>1</u> 3	<u>2</u> 3
<u>3</u>	<u>4</u>	<u>6</u>	<u>2</u>	<u>3</u>	<u>6</u>	<u>4</u>	<u>4</u>
5	5	12	4	4	8	6	5

Quadrilaterals (shapes with 4 sides) are special! Draw lines to match columns. (3.48)



#55 Date _____

Use your place value chart to fill in the blanks in this table.

Word Form	Expanded Form	Standard Form
Four thousand, one hundred fifty-seven	4,000+100+50+7	4,157
		21,103
	70,000 + 7,000 + 40 + 2	
Eight thousand nineteen		
		35,900
	40,000 + 100 + 50 + 7	
		411,000
One million, eighty thousand five	1,000,000 + 80,000 + 5	
Twenty-five million, twenty-five		25,000,025
	7,000,000 + 70 + 7	7,000,077

Your flight leaves at 11:15. The flight will take 6 hours 30 minutes. What time will you arrive (in 24-hour time)? Draw the hands on the clocks. (2.60) and (3.43)

time

11:15

hours

minutes

departure	arrival	
×11 12 1	× 11 12 1	
×10 ₂₂ ²³ ²⁴ ¹³ ₁₄ 2	×10 ₂₂ ^{23 ²⁴ 13'₁₄2}	
921 • ¹⁵ 3	€9 ²¹ ● ¹⁵ 3	
E8 ²⁰ 19 18 17 ¹⁶ 4	$[+8^{20}_{19}]_{18}$ 17^{16}_{17}	
6 5 LUY	6 5	



Convert each time from 24-hour format to 12-hour format. Include A.M or P.M.



Write straight, right, acute, reflex or obtuse below each angle. (3.48)



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



#56 Date _____

Obtuse Angle

Fill in the missing n	umbers to complete	e the number line.					
+++++++ 13 -11 -10	+ + + + + + -7		6				
Is this a line, a line s	segment or a ray? _						
How do you know?							
Draw an infinity sigr	n to the right of the l	ine and a negative in	finity sign to the left.				
What do the arrows	s on either end of a l	_INE mean?					
Draw: (3.48)							
Ray	Acute Angle	Reflex Angle	Line Segment				

Line

Right Angle

Write each number, then name them out loud to a parent. (3.31)

1. 10,000 + 6,000 + 700 + 50 + 3 = 6.763

Straight Angle

- 2. 70,000 + 7 = //() ()()//
- 3. 40,000 + 100 + 50 + 7 = _____
- 4. 10,000 + 3,000 + 700 + 20 = _____
- 5. 9,000,000 + 4,000 + 10 + 1 = _____
- 6. 1,000,000 + 700,000 + 50,000 + 2,000 + 90 = _____
- 6. 4,000,000 + 300,000 + 2,000 + 900 + 1 = _____ 104



Convert these time periods: (3.17)

- 1 year = _____ days
- 1 day = _____ hours
- 1 hour = _____ minutes
- 1 minute = _____ seconds
- 7 days = _____ week



The numbers in the rectangles are the PRODUCTS of the factors in the circles, at the VERTICES of the triangle. Find the missing factors. (2.36)



Use the number lines to solve each pro	blem.
15 + 7 = <u>22</u>	12 - 8 =
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 2 2 3 24	6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
4 x 3 = <u>12</u>	3 x 7 =
O 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	← ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
10 - 11 =	6 - 9 =
← + + + + + + + + + + + + + + + + + + +	← + + + + + + + + + + + + + + + + + + +
12 - 15 =	4 - 8 =
3 - 8 =	3 - 10 =
	<u><1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +</u>
5 - 9 =	11 - 16 =
← + + + + + + + + + + + + + + + + + + +	← + + + + + + + + + + + + + + + + + + +

Date

Do you notice any patterns in the subtraction problems above?

Use the number line from your lesson today to solve these story problems.



#57

When two angles add to 180°, we say they are SUPPLEMENTARY. Supplement comes from Latin supplere, to complete or "supply" what is needed. (3.48)





Draw lines to match each angle from the top row with its SUPPLEMENTAL angle on the bottom row. The two angles should add up to 180 degrees.



	Q.			₽R					
		S		-	ι	Jse a rule	r to draw th	e following:	(3.48)
		▼ ▼ • • • • • • • • • • • • • • • • •				$1.\overline{XZ}$	12. VW	23. UK	34. mo
						2. YZ	13. VK	24. ru	35. np
₿₣●		H●Ŭ	'•J		•∨•∆	3.FX	14. AJ	25. qt	36. IG
Ъ	h∙	• ⁱ m•	∙n ^q ∙	۰r	1 //	4. QR	15. NP	26. qr	37. fg
						5. QB	16. MO	27. tu	38. If
	i•	¶ko®	●pt●	∙u		6. RA	17. MN	28. EF	39. Gg
	, b∙	●a∣●	∙G ^E ∙	●F		7. BF	18. <u>OP</u>	29. EC	40. hj
						8. <u>Y</u> A	19. HJ	30. FD	41. ik
		.	•			9. ST	20. LH	31. mn	42. bd
	ď	.et.	g			10. SU	21. TW	32. op	44. ae
X•—			C	_ D	⊸Z	11. hi	22. jk	33. b a	45. de 107

#58 Date ____

Use your newest number line to find the sum/difference of each problem.





Fill in the missing factors or products to complete each number sentence. (2.36)

5 x 🛄 = 10	3 x 4 =	9 x 🗌 = 72
🗌 x 3 = 15	🗌 x 5 = 30	8 x 7 = 🗌
2 x = 24	6 x 🗌 = 48	4 x 🗌= 32

Find the value of the letter in each number sentence.

5 x M = 20	M =	B x 6 = 36	B =
A x 3 = 30	A =	Y x 7 = 49	Y =
5 x T = 40	T =	7 x S = 42	S =
Find the perimeter and the area of each shape. (3.50)



Find the missing dimensions, then divide each shape into two or three rectangles. Find the perimeter and the area of each small rectangle, then add up those areas to find the area of the WHOLE shape. All of the angles are RIGHT ANGLES.



What comes before and after these numbers? Finish the patterns.



#59 Date _____

What comes next? Ready, set, go!



Fill in the missing factors or products to complete each number sentence.

Find the value of the VARIABLE in each number sentence.

5 x 🗌 = 20	5A = 20	A =
3 x 🗌 = 6	Color the $3B = 6$	B =
2 x 🗌 = 10	and the VARIABLES green in these $2C = 10$	C =
3 x 🗌 = 21	See? No $3X = 21$	X =
8 x 🗌 = 32	symbol between the 8Y = 32	Y =
7 x 🗌 = 56	the coefficient! $7Z = 56$	Z =
6 x 🗌 = 48	6T = 48	T =
110		



Send each number from the IN column through the function machine. Figure out the rule for each function and complete the OUT column of the function table.



#60 Date _____

Let's draw quadrilaterals. Graph the points listed below each coordinate plane, then connect the dots in the order they are given, then return to the first coordinate.





Coordinate Plane

Draw and label:

- x-axis
- y-axis
- origin
- label the quadrants 1, 2, 3, 4

Draw a HEXAGON. Label each angle A, B, C, D, E and F. Write the ordered pair for each angle below:





Divide the marbles into FOUR equal groups. Color each group a different color. (3.39)						
000000	What is 1/4 of 24?	What is 3/4 of 24?				
888888	What is 2/4 of 24?	What is 4/4 of 24				
Which fraction is HALF of the marbles?						
Divide the marbles into SIX	equal groups. Color each g	roup a different color.				
What is 1/6 of 24? What is 4/6 of 24?						
000000	What is 2/6 of 24?	What is 5/6 of 24				
000000	What is 3/6 of 24?	What is 6/6 of 24?				
Which fraction is HALF of the marbles?						
Divide the marbles into EIGHT equal groups. Color each group a different color.						
000000	What is 1/8 of 24?	What is 5/8 of 24?				
0000000	What is 2/8 of 24?	What is 6/8 of 24?				
000000	What is 3/8 of 24?	What is 7/8 of 24?				
000000	What is 4/8 of 24?	What is 8/8 of 24?				
Divide the marbles into TW	ELVE equal groups. Color ea	ach group a different color.				
000000	What is 1/12 of 24?	What is 7/12 of 24?				
	What is 2/12 of 24?	What is 8/12 of 24?				
	What is 3/12 of 24?	What is 9/12 of 24?				
	What is 4/12 of 24?	What is 10/12 of 24?				
000000	What is 5/12 of 24?	What is 11/12 of 24?				
	What is 6/12 of 24?	What is 12/12 of 24?				

Draw least 3 more polygons to complete this pattern. You may draw REGULAR or IRREGULAR polygons. Label each polygon with its name. (3.48)

rule: each polygon has one side more



#61 Date _____

Each square on the map is TWO SQUARE FEET. Most animals take up more than one square, so please approximate the coordinates as best you can.

I. Name the animal at each coordinate on the opposite page:



2. Write the approximate coordinates of these animals on the zoo map:



3. The rhinos need shade. Draw three trees in the rhino enclosure and list their coordinates here:

4. The Snack Shack and the Restroom are the same size. How many square feet is each building if each square is 2 ft²? (Because each square is two square feet, after you count the length of a side, multiply it by two.)

5. Draw a path from the zebras to the restrooms. How many feet is the path?

6. List the coordinates of all of the benches:

7. List the coordinates of all of the emergency exit signs:





#63 Date_____

Problem	Expanded Form	Sepa	arate	De	ecompose	Add	products
2 x 43	2 x (40 + 3)	2 x 2 x	40 3	2 2	x 4 x 10 x 3		+ 80 + 6
6 x 26	6 x (20 + 6)	6 x 6 x	: 20 : 6				
3 x 59	3 x (60 + 9)						
8 x 67							work your
4 x 753	4 x (700 + 50 + 3)		4 x 700 4 x 50 4 x 3		4 x 7 x 100 4 x 5 x 10 4 x 3	C	2800 200 + 12 3012
7 x 468	7 x (400 + 60 + 8)		7 x 400 7 x 60 7 x 8		7 x 4 x 100 7 x 6 x 10 7 x 8		
5 x 274	5 x (200 + 70 + 4))	5 x 200 5 x 70 5 x 4				
2 x 363	2 x (300 + 60 + 3)						

A VARIABLE represents a number. A COEFFICIENT is a number that precedes and is multiplied by a variable in a number sentence. (3.59)

coefficient variable

5A = 20 A = 4

Trace each term then write it twice more.

Vanapie					
COCHERCICE					

Find the value of the VARIABLE in each number sentence.

3A = 21	A =	12 - D = 10	D =
X + 3 = 12	X =	3T = 24	T =
12/F = 3	F =	6C = 48	C =
15 - Z = 9	Z =	8X = 72	X =
8Y = 56	Y =	7S = 42	Y =

Send each number from the IN column through the function machine. Figure out the rule for each function and complete the OUT column of the function table. (3.59)

$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	IN OUT IN OUT 3 13 1 10 5 15 2 20 7 17 9 90 11 5 7 7 6 8 7 8

#64 Da

#64 Da	ate			
Problem	Expanded Form	Separate	Decompose A	dd products
3 x 634	3 x (600 + 30 + 4)	3 x 600 3 x 30 3 x 4	3 x 6 x 100 3 x 3 x 10 3 x 4	1800 90 + 12
9 x 475	9 x (400 + 70 + 5)	9 x 400 9 x 70 9 x 5	9 x 4 x 100 9 x 7 x 10 9 x 5	
2 x 697	2 x (600 + 90 + 7)			Reep your
4 x 2451	4 x (2000 + 400 + 50 + 1)	4 x 2000 4 x 400 4 x 50 4 x 1	4 x 2 x 1000 4 x 4 x 100 4 x 5 x 10 4 x 1	8000 1600 200 + 4 9804
8 x 2643	8 x (2000 + 600 + 40 + 3)	8 x 2000 8 x 600 8 x 40 8 x 3	8 x 2 x 1000 8 x 6 x 100 8 x 4 x 10 8 x 3	
7 x 7343	7 x (7000 + 300 + 40 + 3)	7 x 7000 7 x 300 7 x 40 7 x 3		
5 x 5866	5 x (5000 + 800 + 60 + 6)			

How long is your movie? Theater 12 Start 11:45 AM End 1:15 PM			How Ic water	ong is you park pass :15 AN CLO	r all-day good? SE 8:45 PM	Your part 1:00 PM. you 1 hou minutes t		
time	hours	minutes	time hours minutes			there. Wh	hat time	
11:45 AM			9:15 AM			should ye	K	
						time	hours	minutes
1:15 PM			8:45 PM					
	minutes minutes				minutes			
Are there r If so, TRAD	nore than 6 E 60 minute	50 minutes? es for 1 hour.	Are there n If so, TRAD	nore than 6 E 60 minute	50 minutes? es for 1 hour.			
ho	urs and	minutes	ho	urs and	minutes	1:00 PM		

Draw lines to match each month to the number of days it has.



How many days are between Christmas and Valentine's Day?

How many days are between Halloween and Christmas?

In each box, color the second shape so it's EQUIVALENT to the first fraction. Label each fraction. (2.57)





Use your place value chart to fill in the blanks in this table. (3.31)

Word Form	Expanded Form	Standard Form
Two million, one hundred twenty-four thousand, eight hundred fifty-three	2,000,000 + 100,000 + 20,000 + 4,000 + 800 + 50 + 3	2,124,853
Two hundred ten million, one hundred one thousand		210,101,000
		1,009,001
Seven trillion, one million	7,000,000,000 + 1,000,000	
Three trillion, nine hundred fifty million, two hundred thirty-five		3,950,000,235
		12,010,001,009

Use your number line to find the sum/difference of each problem. (3.58)

8 - 11 =	24 =	-1 - 11 =
7 - 15 =	-88 =	12 + -2 =
35 =	4 - 10 =	-9 + -7 =
-3 + 5 =	3 - 5 =	97 =

Use your FRACTION CIRCLES or FRACTION STRIPS to compare these fractions by drawing the correct comparison symbol (<, >, =) between them. (2.2)

<u>3</u> 4	= <u>6</u> 8	<u>3</u> 8	<u>5</u> 8		<u>1</u> 4	<u>1</u> 2
<u>1</u> 2	<u>4</u> 8	<u>5</u> 5	<u>8</u> 8		<u>1</u> 3	1 5 121

#66 Date

Multiplication Algorithm for 1-digit Multipliers:

- 1. Stack the numbers with the smaller number (the multiplier) on the bottom, lining up digits by place value.
- 2. Multiply the multiplier by the number in the ones place of the top number, writing the answer under the line. If the product of these two numbers is greater than nine, move the TEN over to the TENS PLACE.
- 3. Multiply the multiplier by EACH DIGIT in the top number until complete. Regroup where necessary.



the tens column.



Add the 2 TENS.



Find the products.

35+2=37 15+3=18Store the 3 HUNDREDS The one goes in the in the hundreds column. thousands place.

735 x 4 = 700 x 4 = 30 x 4 = 5 x 4 = add products	735 x 4	849 x 6 = 800 x 6 = 40 x 6 = 9 x 6 = add products	849 x 6	398 x 5
856	364	827	256	643
x 7	x 8	x 6	x 4	x 3
284	936	478	832	598
x 9	x 5	x 4	x 8	x 7

Use a ruler or a tape measure to measure the following items to the nearest 1/4 inch (use units!): (3.20)

Your bed	A fork
Your table	A book
Your shoe	A door
A painting 122	A phone

Find the missing dimensions, then divide each shape into two or three rectangles. Find the perimeter and the area of each small rectangle, then add up those areas to find the area of the WHOLE shape. All of the angles are RIGHT ANGLES. (3.51)



Use circles to group the items, then complete the equations. (3.39)

	$\frac{12}{3} =$	12 ÷ 3 =	3)12	What is 1/3 of 12?
	<u>12</u> =	12 ÷ 6 =	6)12	What is 1/6 of 12?
0000	$\frac{12}{4} =$	12 ÷ 4 =	4)12	What is 1/4 of 12?

Solve: (3.41)	
$2^2 = 2 \times 2 = $	$3^2 = 3 \times 3 = $
$2^{3} = 2 \times 2 \times 2 = $	$3^3 = 3 \times 3 \times 3 = $
$2^4 = 2 \times 2 \times 2 \times 2 = $	3 ⁴ = 3 x 3 x 3 x 3=
$2^5 = 2 \times 2 \times 2 \times 2 \times 2 = $	$3^5 = 3 \times 3 \times 3 \times 3 \times 3 =$
	123

#67 Date				
8 R 3)25 ^{3 groups, each v} plus one leftover	1 vith 8 items, r is 25 items.	$1 \div 7 = 3$	divisor 3 7 21 dividend	21 ^{dividend} = 3 divisor
Find the quotier	nts. Use remair	nder notation.		
2)10	3)12	5)25	3)24	2)11
3)26	4)16	6)19	5)16	6)25
2)19	3)11	4)30	7)50	9)20
Find the produc	ts.			
$5132 \times 4 = 5000 \times 4 = 100 \times 4 = 30 \times 4 = 2 \times 4 = add products$	5132 x	2	5423 x 3	3213 x 3
4751 x 7	322 x	224	4827 x 5	2431 x 2
6844 x 2	873 x	39 6	9832 x 3	7368 x 5

Let's draw polygons. Graph the points listed below each coordinate plane, then connect the dots in the order they are given. From the last point, return to the first. (3.60) and (3.48)



Each block has 100 squares. Color the squares to illustrate each percentage equation and fill in any missing parts of each equation.



Use circles to group the items, then complete the equations. (3.39)

	$\frac{16}{4} =$	16÷4 =	4)16	What is 1/4 of 16? What is 2/4 of 16?
ĂĂĊĊĠĊĊĊ	<u>16</u> =	16÷8=	8)16	What is 1/8 of 16? What is 4/8 of 16?
80000000000000000000000000000000000000	$\frac{16}{2} =$	16 ÷ 2 =	2)16	What is 1/2 of 16? What is 2/2 of 16? 125



Find the quotients. These problems have remainders, but they follow the exact same pattern!



I'm thinking of a number between 20 and 30. The SUM of the 2 digits is 6. What is my number? _____ What is the PRODUCT of the digits? _____ 126 Find the positive square roots. (3.42)



Draw lines of symmetry in each shape. Label each shape with its name. (3.48)



Color all of the remaining shapes so they are equivalent to the first shape in each box. Label each fraction. (2.57)



What do all of the DENOMINATORS above have in common?

Use your number line to find the sum/difference of each problem. (3.58)

-7 - 4 =	1 - 2 =	4 + -5 =
57 =	45 =	3 - 10 =
10 + -2 =	-4 + 5 =	3 - 5 =
-2 + -7 =	8 - 13 =	-22 =
		127

#69 Date _____

Find the factors of each number. List them from the least to the greatest. Circle each of the prime numbers.



Complete these Venn Diagrams.



Find the quotients. Some have remainders and some don't. (3.68)



Use your reference pages to fill in the missing angles (the orange ovals). (3.48)



All of the angles are RIGHT ANGLES. Find the missing dimensions. Add up the perimeter then find the AREA by subtraction. Multiply the overall length times the width of the LARGE shape, then subtract out the small shapes. (3.51)



area of the large rectangle:





perimeter _____ units area _____units²





Draw rectangles with the following areas: (3.50)



340



Round each number to the nearest 10 and add the rounded numbers. (2.54)





How much money is this? (3.18)



List the months with 31 days. What fractional part of the year is this?

#71 Date _

Yikes! FOUR digits? Just follow the same pattern.





R

(2)

8 8 3

Remainder

1













#72 Date



Show 4 ways to make 69¢.

		R		total coins
	6		q	Б
171	•	•	•	

Show 4 ways to make 58¢.

	R		total coins
<u></u>		c	Ê

Show 4 ways to make 85¢.

	R	total coins

You are building toy cars. Each car needs 4 wheels. If you have a big box with 940 wheels, how many cars can you build?















Find the products. (3.66)





	8	2	7	3
_	Х			<u>3</u>
	~	~	~	
	6	3	8	1
	-	-		





Order these fractions from least to greatest. (All of the numerators are one!)



Write a comparison symbol between each pair of fractions. Use your fraction circles if you need to. (All of the numerators are one!)



Write a comparison symbol between each pair of fractions. Use your fraction circles if you need to. (The denominators in each pair are the same!)



Order these fractions from least to greatest. (All of the denominators are the same!) Color the fraction then write the fraction over it.



Color pieces of each bottom shape so it matches the top shape. Then write each equivalent fractions number sentence. (2.57)



Multiply the QUOTIENT and divisor from each problem above to check your division.





improper fractions have a larger numerator than denominator. Write them as a whole number or mixed number instead.

If you shared these two chocolate bars between four people, how many pieces would each person get? _____ What fraction of one bar is that?

Name That Fraction!

Draw a picture and write two equivalent fractions to represent each amount of chocolate. One of the fractions in each box should have a denominator of twelve. (3.13)





(3.50)



Area = $\underline{\qquad}$ x $\underline{\qquad}$ = $\underline{\qquad}$ units ²



AREA of the colored squares = _____ units ²



Area = $__{length}$ x $__{width}$ = $___ units^2$

Color 5 columns of squares. What is the FRACTION of the colored area compared to the total area?



#75 Date

Fraction Addition

Draw a picture to illustrate each number sentence in each box, then find a common denominator and add the fractions.



Fraction Subtraction Hey, that rhymes!

Draw a picture to illustrate each number sentence in each box, then find a common denominator and subtract the fractions.

$\frac{1}{2} - \frac{1}{4} = \frac{1}{4}$	$\frac{\frac{16}{2}}{\frac{2}{12}} - \frac{3}{12} =$	$\frac{\sqrt{3}}{\sqrt{12}} - \frac{\sqrt{2}}{\sqrt{6}} =$	$\frac{2^8}{3^{12}} - \frac{5}{12} =$
$\frac{1}{3} - \frac{1}{4} =$	$\frac{1}{4} - \frac{1}{12} =$	$\frac{3}{4} - \frac{3}{6} =$	$\frac{1}{2} - \frac{1}{3} =$



Order these fractions from least to greatest. Draw each fraction, then label it. (3.73)



Use your number line to find the sum/difference of each problem. (3.58)

11 + -13 =	55 =	-98 =
-9 + -14 =	2 - 6 =	510 =
-1 - 12 =	7 - 8 =	11 - 10 =
37 =	-8 + 7 =	3 - 12 =

Round each number to the nearest 10; add the rounded numbers mentally. (2.54)



#76 Date

Simplify these fractions.

$\frac{6}{9} = \frac{2}{3}$	$\frac{9}{12} = $	$\frac{4}{12} = $	$\frac{3}{12} = $
$\frac{2}{10} = $	$\frac{2}{8} = $	$\frac{4}{6} = $	$\frac{6}{10} =$

Fractions LCD <u>2</u>	<u>3</u> 4	23	1 6	1 2	4 12
Equivalent Fractions with LCD	a- <u>1</u> 22	20 20	$\sum_{i=1}^{n} x_i $		
Order fractions least to greatest	2				a N

Fractions LCD	2 5	$\frac{1}{1}$	34	1 2	7 10
Equivalent Fractions with LCD					
Order fractions least to greatest					

Add these fractions:

$$\frac{2}{4} + \frac{2}{6} =$$

- Find the Lowest Common Denominator
- Convert both fractions so they have the LCD.Add the fractions.
- Simplify the sum.

List the first ten multiples of:

Find the LCD:

4, <u>8, 12</u> / ____/ ____/ ____/ ____/ ____/ ____/ ____/ ____/ 6, 12, 18 ____/ _____/ _____/ _____/ _____/ _____/ ____

 $\frac{2}{4}$ and $\frac{2}{6}$ LCD $\frac{24}{6}$ use this LCD

Convert both of these fractions so they have a common denominator:





Five children will share fifteen cookies. Write a number sentence and illustrate it.

Complete these Venn Diagrams.



Use your number line to find the sum/difference of each problem. (3.58)

3 + 5 =	4 + -8 =	-2 - 6 =
35 =	4 - 8 =	26 =
-3 + 5 =	4 + 8 =	6 + -2 =
3 - 5 =	-48 =	-2 + -6 =
		143

#77 Date

Multiply fractions by WHOLE numbers. Always simplify!



Multiply fractions by fractions. Always simplify!



The operators are missing! Insert the correct operator (+, -, x) in each yellow circle to make the number sentence true. All answers have been simplified.

$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$	$\frac{3}{4} = \frac{2}{5} = \frac{7}{20}$	$\frac{2}{3} = \frac{3}{4} = \frac{1}{2}$	$\frac{2}{5} - \frac{3}{5} = 1$
$\frac{1}{3} - \frac{1}{3} = \frac{1}{9}$	$\frac{1}{4} = \frac{2}{3} = \frac{11}{12}$	$\frac{3}{5} - \frac{1}{2} = \frac{1}{10}$	$\frac{2}{3} - \frac{1}{3} = \frac{1}{3}$
$\frac{4}{5}$ $\frac{2}{3} = \frac{2}{15}$	$\frac{5}{6}$ $\frac{2}{5} = \frac{1}{3}$	$\frac{3}{7} = \frac{5}{7} = 1\frac{1}{7}$	$\frac{1}{2} - \frac{2}{4} = 1$
How much change will you receive if you pay for each item with \$1.00? (3.18)







Fractions LCD	<u>3</u> 6	$\frac{1}{2}$	$\frac{2}{4}$	$\frac{7}{8}$	<u>2</u> 3
Equivalent Fractions with LCD					
Order fractions least to greatest					

Fractions LCD	$\frac{1}{5}$	9 10	1 3	6 15	<u>5</u> 6
Equivalent Fractions with LCD					
Order fractions least to greatest					

Find the quotients. (3.70)





5

add the remainder _____

Х





add the remainder _

#78 Date

Divide fractions by WHOLE numbers. Always simplify! Never divide by a fraction, instead multiply by the reciprocal.



Divide fractions by fractions. Always simplify! Never divide by a fraction, instead multiply by the reciprocal.



One donut costs 75 cents. How much does one half dozen donuts cost? What is your change after you pay with a \$5 bill?



Round each number to the nearest 10 and add the rounded numbers. (2.54)



Use your reference pages to fill in the Draw: missing angles (the yellow ovals). (2.54)



Right Angle	Line Segment
Reflex Angle	Ray
Obtuse Angle	Line
Straight Angle	Acute Angle

Library story time starts at 10:30 AM. The clock below shows the current time. It takes 20 minutes to drive to the library. How much time do you have before you have to leave?



#79 Date _____

Complete this table. Leave the percent column empty for now.

Visual Fraction	Numerical Fraction	Percent	Decimal	Draw a line graph to show the following
	0	0%	0.1	temperatures. DATE TEMP.
				March 4 15°F March 5 8°F March 6 -6°F
				March 7 12ºF March 8 -4ºF March 9 5ºF
				50°F 40°F
				-10°F
				-20°F4 5 6 7 8 9 March
				dates Why do we use line graphs to show
				temperature?

Your family hatched chicks from eggs. You incubated two dozen eggs. Not all of them hatched. Eight more eggs hatched than didn't. How many chicks do you have?

	chicks
total eggs	unhatched eggs

If it takes you two and a half hours to drive to the airport and you have to be there by 7:00 am, what time do you need to leave home?

There are three tennis balls in a small package. The medium-sized package has twice that amount. The largest package has five times as many balls as the small size.

How many tennis balls are in the medium-sized package?

How many tennis balls are in the largest package?



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. (3.21)



What fraction of the containers did you "fill"?

What decimal is that fraction?

You are having a pizza party with 13 friends, plus yourself. You figure each person will want to eat 4 slices.



Improper fractions have a larger numerator than denominator. They should be written as a whole number or a mixed number instead of as a top heavy (larger numerator) fraction. This one is a WHOLE number.

#80 Date _____

Use the menu prices to add up the cost of each meal. Find each customer's change if they pay with a \$10.00 bill.



Check your division. Multiply each quotient by its divisor. (3.72)





add the remainder ____



add the remainder ____

add the remainder ____

Re-write and stack the numbers, lining up the decimal points. Find the sum. (3.80)

 4.3 + 9.1 = _____
 7.5 + 2.55 = _____
 1.75 + 2.3 = _____

 5.02 + 3.4 = _____
 1.43 + 2.1 = _____
 2.18 + 1.22 = _____

 1.14 + 1.16 = _____
 2.7 + 1.75 = _____
 1.6 + 1.8 = _____

Fractions LCD	$\frac{1}{2}$	1 18	7 9	23	56
Equivalent Fractions with LCD					
Order fractions least to greatest					

Fractions LCD	2 3	$\frac{4}{7}$	1 3	<u>11</u> 21	<u>6</u> 7
Equivalent Fractions with LCD					
Order fractions least to greatest					

If you paid for each of these items with \$5.00, how much change would you receive? Draw the bills and coins you would use to make that amount. (3.45)





Use the correct comparison symbol (<, >, =).



#81 Date

Complete the percent column in the table on page 148.

This grid has 100 squares. What percentage is each color?



Why do the percentages of each color all add up to 100%? ____

Do percentages always add up to 100%?

Each block has 100 squares. Color the squares to illustrate each percentage equation and fill in any missing parts of each equation.



Writing Fractions: (3.13)

What fractional part of this word is vowels? What fractional part of this word is consonants?

What fractional part of this word is vowels? What fractional part of this word is consonants? 152



Send each number from the IN column through the function machine. Figure out the rule for each function and complete the OUT column of the function table. (3.59)



You have seven quarters and your brother has nine quarters. How many quarters do you have altogether? Write a number sentence.

How much money is that?



Let's draw quadrilaterals. Graph the points listed below each coordinate plane, then connect the dots in the order they are given. (3.60) and (3.48)



#83 Date	
Solve:	Order of Operations (PEMDAS):
2 + 9 x 3 - 8 =	1. Parentheses
<i>1</i> - 15 <u>-</u> 3 + 1 =	2. Exponents
+ 10÷0 · 1 =	3. Multiply & Divide from left to right
5 x 5 - 4 x 4 =	4. Add & Subtract from left to right

Write operators (x, +, -) in all of the empty squares to make each number sentence true. Remember to apply the Order of Operations, PEMDAS.

3	Х	4	+	6	=	18
5		1		3	=	2
2		4		2	=	10
=		=		=		=
6		8		0	=	6

.....

8	Х	2	_	5	=	11
3		2		1	Ξ	5
1		3		6	=	9
=		=		=		=
5		3		0	Η	15

You earned \$125.50 doing yard work for one neighbor and \$178.50 doing yard work for another neighbor. How much did you earn altogether?





Add or subtract these decimals. Stack the numbers and line the digits up by decimals. (3.80)

1.5 + 0.34 =	1.1 + 4.6 =	8.6 - 1.12 =
2.75 + 2.25 =	3.8 - 2.2 =	9.9 - 8.1 =
3.7 - 1.31 =	7.6 + 2.3 =	8.4 + 5.14 =
154		

Find the missing decimal addends. (3.80)



Choose the correct answer to each problem to find your way through this maze.



Find a common denominator, then add and subtract the fractions. (3.75)





Add the fractions and color the squares to match. Remember to simplify the sum! (3.75)



Add or subtract these percentages. (3.81)

14% + 25% =	100% - 99% =
31% + 18% =	11% + 54% =
97% - 79% =	65% - 22% =

If your grandma was born in 1952 how old is she?

You practiced the piano for half an hour every day and you have a lesson for one hour each week. How much time each week do you spend playing the piano?

Let's paint your bedroom door. What color would you like? _____

Use a tape measure to measure your door:

length:

width:

area:

Each pint of paint will cover 1,500 square inches and costs \$8.95. How many pints of paint will you need?

How much will the paint cost?

If you pay with a \$20 bill, how much change will you get? Draw the coins and bills.

Write operators (x, \div , +, -) in all of the empty squares to make each number sentence true. Remember to apply the Order of Operations, PEMDAS.

9	÷	3	+	5	Π	8
9		3		2	Η	4
6		8		4	=	8
=		=		=		=
7		1		3	=	4

7	_	6	+	2	=	3
3		12		4	Π	6
4		3		4	=	8
=		=		=		=
6		2		2	=	10

What will be the date of your next birthday? ______

How many days is that from today?_____

What will be the date of your fifteenth birthday?

#85 Date	
Solve using the Order of Op	erations (PEMDAS): check the answer key for solutions if you need help
5 x (5 - 4) x 4 =	3 x 6 - 3 x 6 =
5 x 5(4 - 4) =	3 x (6 - 3) x 6 =
5(5 - 4) x 4 =	3(6 - 3) x 6 =
5(5 x 4) - 4 =	3 x 6(3 x 6) =
3 ² - 6(10-9) + 12 ÷ 2 =	(2 ² +4) ÷ 2 ³ + 1 =
Solve for x: (get x by itself!) $2(2 + X) \equiv 10$	Step 1: divide BOTH sides of the $2(2+X) = 10$ equation by 2

Step 2: subtract 2 from BOTH sides of the equation

Step 3: Check your answer by replacing X with the answer.

X =	3
2(2 + 3)	=10

 $-\frac{1}{2}$ + $\sqrt{1}$ - 5 $\frac{1}{2}$

Solve for the variable:

X + 8 = 10	X =	4(5 - X) = 12	X =
$(X + 6) \div 3 = 5$	X =	7X = 21	X =
2 + 3(8 - X) = 11	X =	2(X + 5) - 5 = 17	X =

The operators are missing! Insert the correct operator (+, -, x, \div) in each yellow circle to make the number sentence true. All answers have been simplified.



Use the menu prices to add up the cost of each order. Find each customer's change if they pay with a \$10.00 bill.









Check your division. Multiply each quotient by its divisor.





<u>x 6</u>

add the remainder _____

add the remainder _____

add the remainder _

#86 Date	
Solve using the Order of Operations (PEMDAS):	check the answer key for solutions if you need help
4²÷2(3 - 1) x√9 =	5²-2(9 - √16)÷2 =
3 + 5²-√ <u>81</u> =	2 + (6 ² - 3) ÷ 3 =
8(5 + 4)÷12 =	7(5 - 2)÷3 =
2(5 x 3 - 2 ² x 3) - 4 =	$\sqrt{3 \times 3 + 4^2} =$
4²- 6 x 2 + 14 ÷ 2 =	$(8 + 4) \div 2 + 1^3 = $

Subtract the fractions and color the squares to match. Remember to simplify the difference! (3.75)



Measure this rectangle with a ruler, using inches.length:width:perimeter:area:

Divide the rectangle into eighths. Shade two parts. What fractional part is shaded? What fractional part is not shaded?



Multiply the QUOTIENT and divisor from each problem above to check your division.







Find the missing fractional addends to make each number sentence true. (3.75)



