Name: _____

Draw a line from START to END.
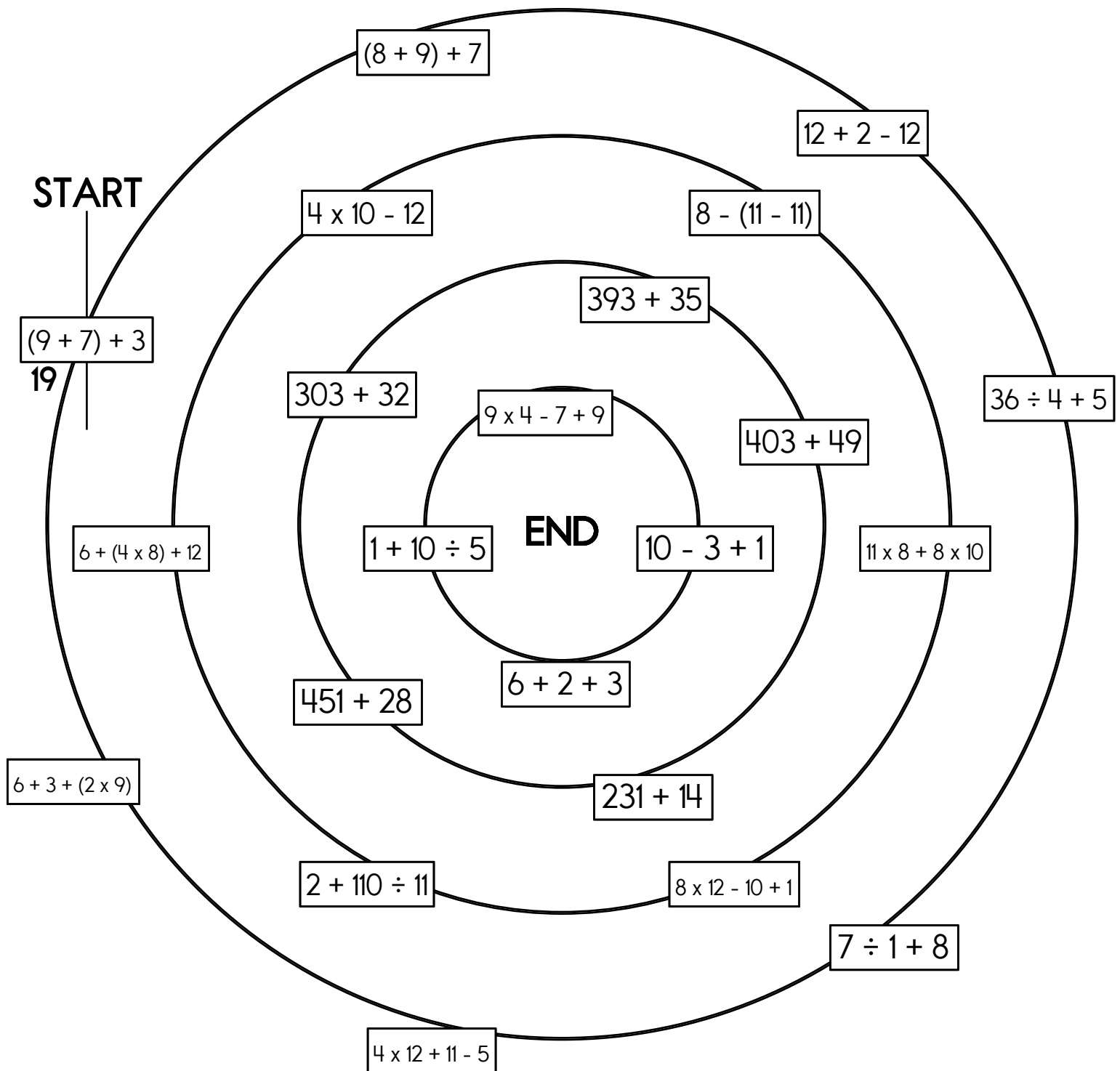
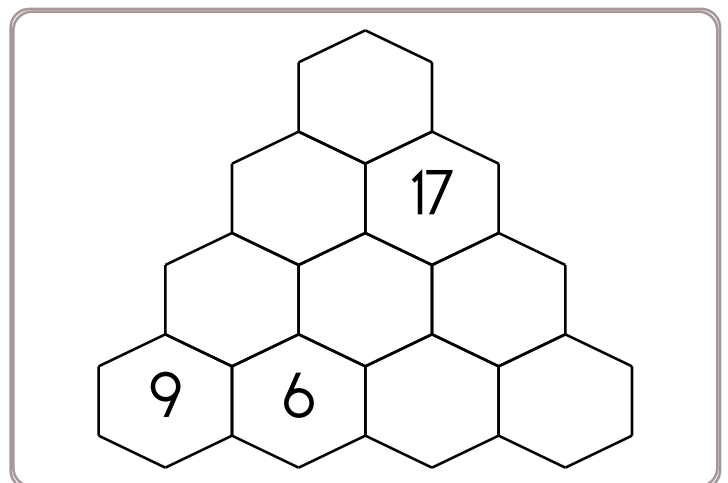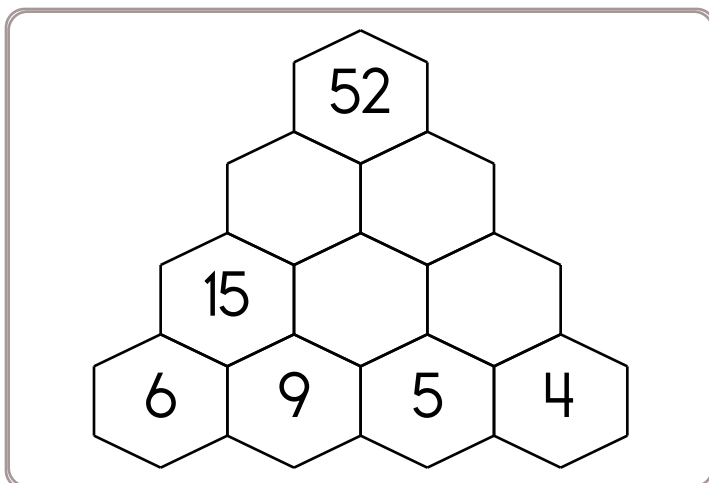3   428   168

~~19~~

Cross out the number you use above and then write it below.

(8 + 9) + 7

12 + 2 - 12

4 x 10 - 12

8 - (11 - 11)

START

393 + 35

(9 + 7) + 3

19

303 + 32

36 ÷ 4 + 5

9 x 4 - 7 + 9

403 + 49

6 + (4 x 8) + 12

1 + 10 ÷ 5

END

10 - 3 + 1

11 x 8 + 8 x 10

6 + 2 + 3

451 + 28

6 + 3 + (2 x 9)

231 + 14

2 + 110 ÷ 11

8 x 12 - 10 + 1

7 ÷ 1 + 8

4 x 12 + 11 - 5

Name: _____

Fill in the blanks by adding the two numbers below each hexagon.

88

10 11

4 6 5 7 2

75

42

4 9 2 5 3

103

53

27

7 6 7 7 2

---

14 17 16

6 8 9 7

52

15

6 9 5 4

17

9 6
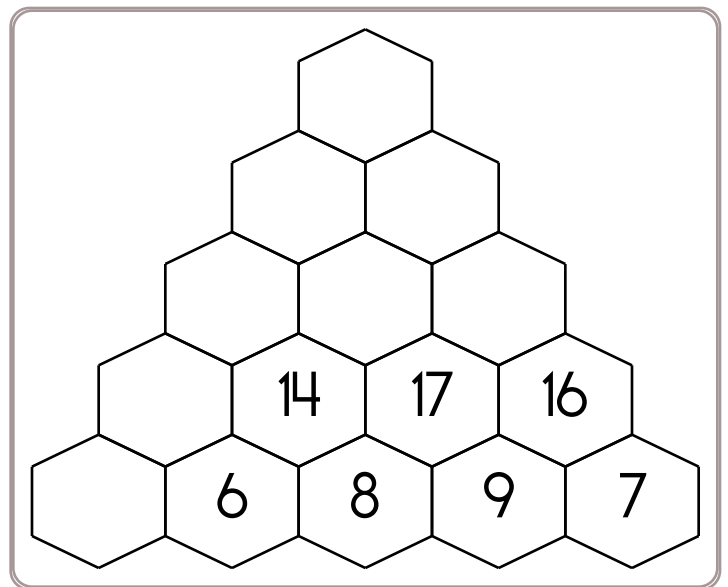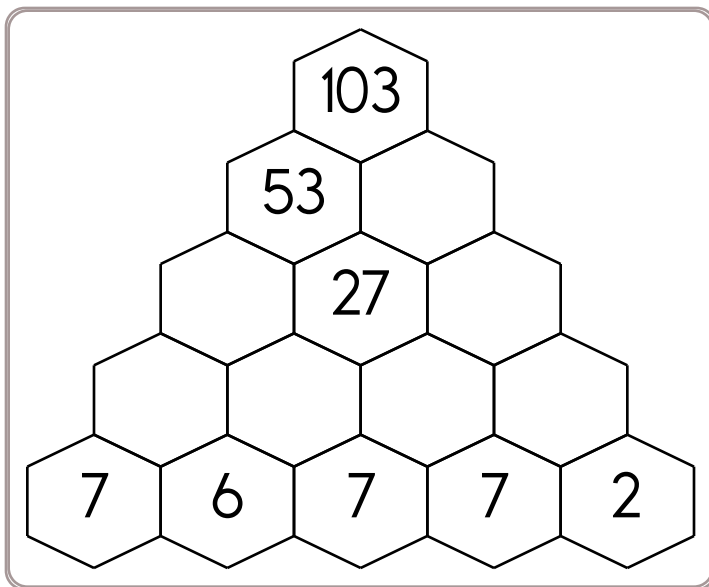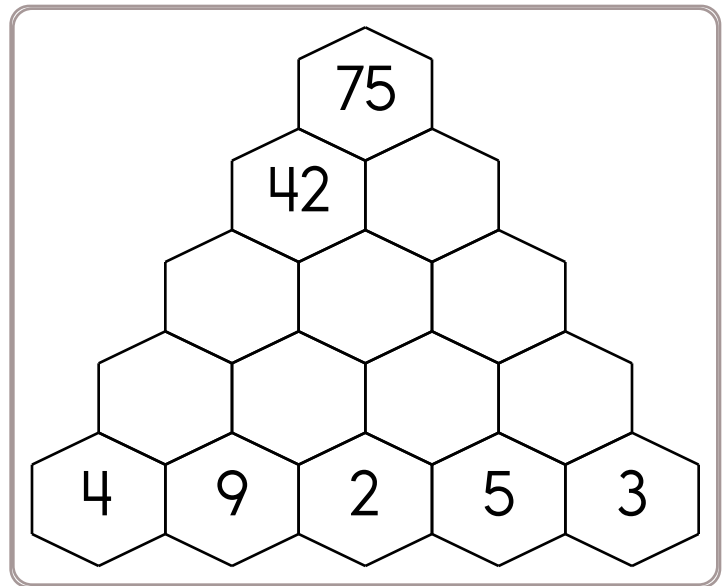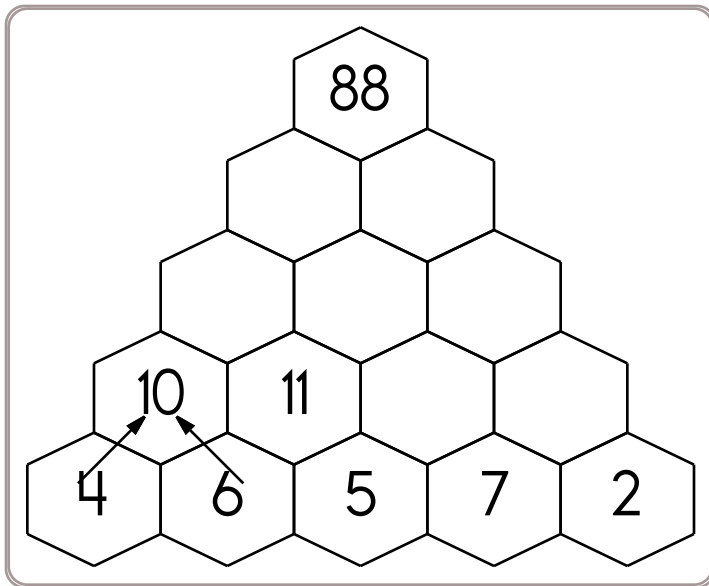
Name: _____

Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.

Exactly one of the four numbers has to be one of these numbers: $6\frac{7}{9}$, $4\frac{1}{2}$, or $\frac{3}{4}$.

The other three numbers have to all be DIFFERENT and must be from these: $2\frac{8}{9}$, $5\frac{1}{3}$, $3\frac{2}{3}$, or $9\frac{4}{9}$.

	$\frac{3}{4}$		$\frac{3}{4}$		$9\frac{4}{9}$		$5\frac{1}{3}$	
$9\frac{4}{9}$	$16\frac{3}{4}$	$2\frac{8}{9}$	$12\frac{23}{36}$	$5\frac{1}{3}$	$22\frac{17}{18}$	$4\frac{1}{2}$		$9\frac{4}{9}$
	$3\frac{2}{3}$		$3\frac{2}{3}$		$3\frac{2}{3}$		$2\frac{8}{9}$	
$2\frac{8}{9}$	$22\frac{7}{9}$	$6\frac{7}{9}$	$22\frac{7}{9}$	$9\frac{4}{9}$	$25\frac{2}{9}$	$6\frac{7}{9}$	$18\frac{2}{3}$	$5\frac{1}{3}$
	$9\frac{4}{9}$		$2\frac{8}{9}$		$5\frac{1}{3}$		$3\frac{2}{3}$	
$\frac{3}{4}$	$19\frac{7}{36}$	$3\frac{2}{3}$	$22\frac{7}{9}$	$6\frac{7}{9}$	$24\frac{4}{9}$	$2\frac{8}{9}$	$18\frac{2}{3}$	$6\frac{7}{9}$
	$5\frac{1}{3}$		$9\frac{4}{9}$		$9\frac{4}{9}$		$5\frac{1}{3}$	
$2\frac{8}{9}$	$16\frac{7}{18}$	$3\frac{2}{3}$	$16\frac{3}{4}$	$\frac{3}{4}$	$16\frac{3}{4}$	$3\frac{2}{3}$	$22\frac{17}{18}$	$9\frac{4}{9}$
	$4\frac{1}{2}$		$2\frac{8}{9}$		$2\frac{8}{9}$		$4\frac{1}{2}$	
$9\frac{4}{9}$	$22\frac{17}{18}$	$3\frac{2}{3}$	$16\frac{7}{18}$	$5\frac{1}{3}$		$9\frac{4}{9}$		$2\frac{8}{9}$
	$5\frac{1}{3}$		$4\frac{1}{2}$		$6\frac{7}{9}$		$5\frac{1}{3}$	

Name: _____

Yesterday it rained for 3 $\frac{1}{2}$ hours at Amy's house. She got to use her new pink umbrella. At Emma's house it only rained for 1.4 hours. How much longer did it rain at Amy's house?

If it takes 1.7 yards of denim to make a pair of Levis in size 10, how much denim does it take to make 27 pairs of size 10 jeans?

Megan was bored. She went to the store and bought a puzzle with 500 pieces. The puzzle cost $8.77. She gave the clerk $10. How much change did she get?

How many feet are in 9 yards?

_____ feet

What time is 14 hours after 4:00 a.m.?

_____

Nathan took three numbers greater than 1 and multiplied them. One number was six and the other number was sixteen. Of course, he forgot the last number, but he remembered the product was 281. Is this possible?
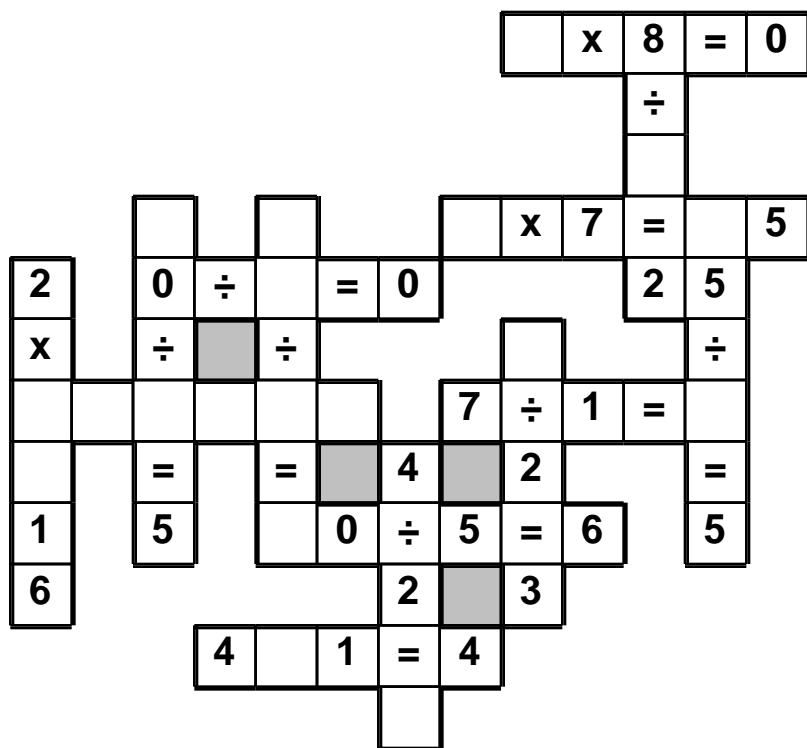
12 x 4 = _____

Erin rolls a die. What is the chance of her rolling a 4?

_____

17 kg = _____ g

22 ÷ 2 = _____

Write an equation to represent this:

The sum of eleven and seven is eighteen.

_____

$$\begin{array}{r} 4\ 7 \\ +\ 4\ 5 \\ \hline \end{array}$$

word root **mis** can mean **bad or wrong**   **misnomer**

Name: _____

0 • 4 • 4 • 1 • 5 • 3 • 8 • 6 • 8 • x • 8 • = • 6 • 4 • 7 • = • 3 • x • 2

Use the pieces above to help you fill in the runaway math puzzle.

		x	8	=	0	

(runaway math puzzle grid)

					x	7	=		5
2		0	÷		=	0			2	5
x		÷		÷						÷
					7	÷	1	=	
		=		=		4		2		=
1		5		0	÷	5	=	6		5
6				2		3
	4		1	=	4

Amy and her little sister, Sarah, both have birthdays on the same day. Amy is eleven years old. Sarah is nine years old. Did you know that Amy was once double the age of Sarah? How many years ago was that?

3 x 12 =

$$\begin{array}{r} 4\ 6 \\ -\ 2\ 0 \end{array}$$

$$\begin{array}{r} 5\ 8\ 8 \\ -\ 4\ 1\ 7 \end{array}$$

585 + 844 = _____

30 ÷ 10 =

12 x 3 = _____

Name: _____

9,817 + 1,544 = _____

892 - 336 = _____

Sarah likes to change numbers into a secret letter form. Sarah changed the number 35 to QQ. Sarah changed the number 973,453 to QQQQQQ. Sarah changed the number 87,757 to QQQQQ. Sarah changed the number 767 to QQQ. How do you think she would change the number 5,522?

_____

1 km = 1,000 m

11 km = _____ m

Circle the greatest number:

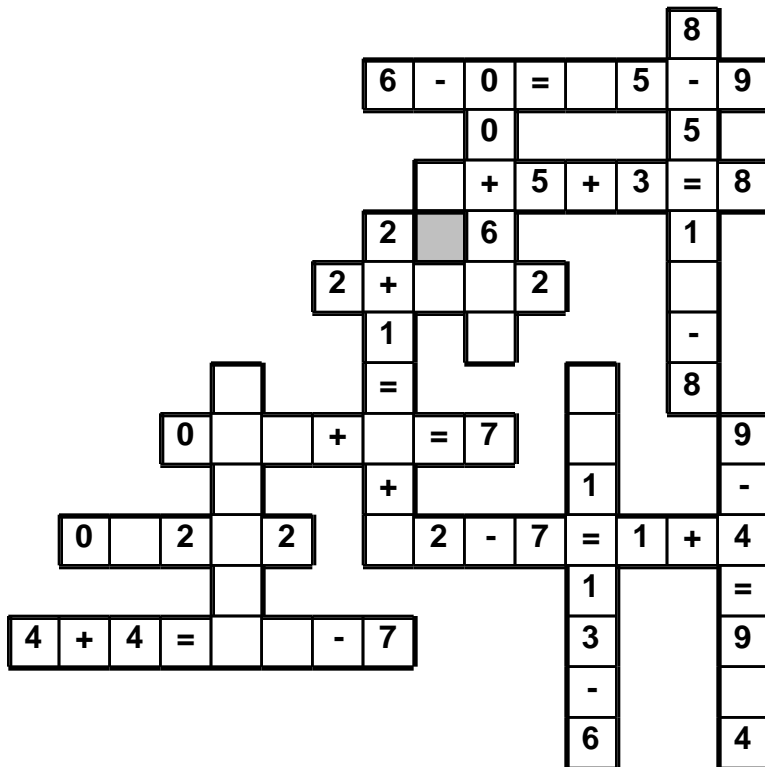91,657,082,349   802,540,132,967

74,163   584,763

9 x 5 = _____

11 x 9 =

Rose cannot open her locker. She knows that the three numbers are: 26, 4, and 33, but she cannot remember the order of the numbers. How many different combinations are there? List ten of them.

For 9,253,421,856, write the digit that is in the ten thousands place.

_____

$$\begin{array}{r} 4\ 0\ 8 \\ +\ 4\ 0\ 9 \\ \hline \end{array}$$

18 ÷ 6 =

2 x 4 = _____

word root **fract** can mean **break**   fraction, fractional, fracture

Name: _____

1 • 0 • 0 • = • 1 • 6 • 8 • 8 • + • 5 • 2 • - • 3 • + • = • 1 • 1 • 1
5 • -

Use the pieces above to help you fill in the runaway math puzzle.

							8	
6	-	0	=		5	-	9	
		0				5		
		+	5	+	3	=	8	

2 ▢ 6 ... 1

2 + ... 2

(grid puzzle)

| 6 | - | 0 | = | | 5 | - | 9 |
| 2 | + | | | 2 | | 1 |
| 1 |
=				8
0		+		=	7		9
		+			1		-
0	2		2		2	-	7	=	1	+	4
							1		=
4	+	4	=			-	7		3		9
							-
							6		4

Hannah is giving out candy, but you need to guess her favorite number if you want some. Her favorite number has three digits. The tens digit is 1 more than the ones digit. The three digits add up to thirteen. The hundreds digit is 3 more than the ones digit. One digit in her number is four.

Are you going to get candy?

7 x 3 =

60 ÷ 5 = _____

Circle the digit in the hundredths place.

8,911.19

9 x 8 = _____

Name: _____

Find the missing numbers. These both have the same rule. What is the rule?

If

1 , 1 = 2
2 , 2 = 4
3 , 3 = 6
4 , 4 = 8

Then

5 , 5 = ?

If

8 , 8 = 16
9 , 9 = 18
10 , 10 = 20
11 , 11 = 22

Then

12 , 12 = ?

Complete each pattern. Write what the rule is.

28, 34, 42, 52, 64, 78, _____, _____, 132, 154, 178, 204, 232

11, _____, 25, 35, 47, 61, _____, _____, 115, 137, 161, 187, 215

12, 18, 26, 36, _____, _____, 78, 96, 116, _____

Name: _____

Write in vertical form. Then multiply.

4 x 0.25

0.2 x 8

0.8 x 0.9

63 ÷ 0.9

2 ÷ 0.08

6.86 ÷ 0.49
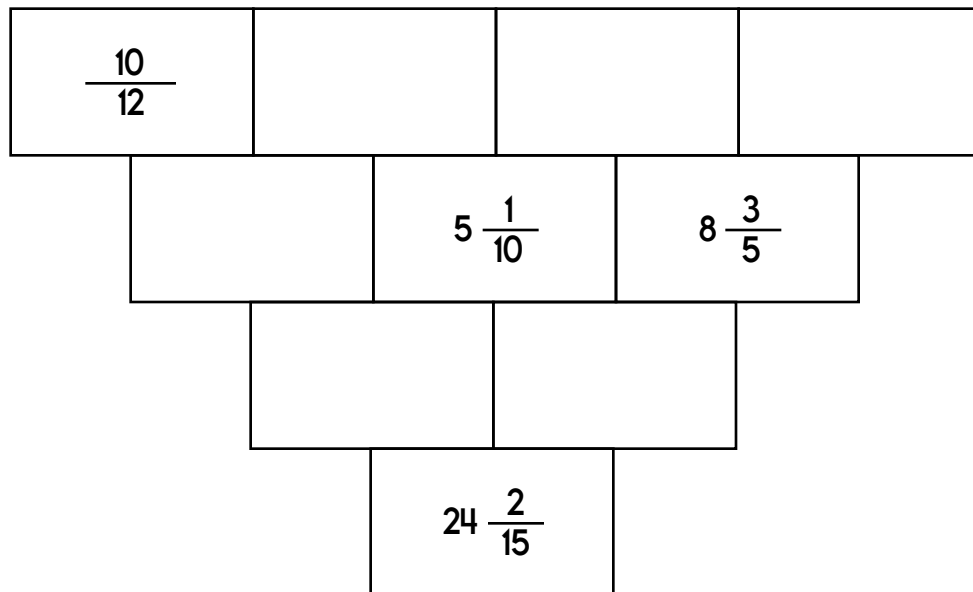
0.4 ÷ 0.5

86.75 ÷ 0.25

86.13 ÷ 0.29

Jenna made a game where you earn 0.29 points for each alien you destroy. She tested her game and destroyed 55 aliens. How many points did she earn?

She started over. This time she scored a total of 6.67 points. How many aliens did she destroy?

Name: _____

The block below is the sum of the two blocks above. Fill in the missing blocks.

| 15 | 18.1 | 11.69 | 12.2 | 5.4 | 3.06 |

| | 29.79 | | | | |

374.46

| $\dfrac{10}{12}$ | | | |

| | $5\dfrac{1}{10}$ | $8\dfrac{3}{5}$ |

$24\dfrac{2}{15}$

Change $\dfrac{75}{100}$ to a percent.

$$\begin{array}{r} 7\,2 \\ \times \quad 1 \\ \hline \end{array}$$

Change 2% to a decimal.

Name: _____

Most words will be horizontal or vertical, but a few may be diagonal.

Some vowels are missing in the word search.
Fill in the missing vowels and circle the words.

```
    X  T  R     N  S     C  W
 F  S     L     T     R  Y
 R  D     M        N     R
 M     R  T     L     T  Y  R
 A  B     B     L     T  T  D
 C  P     S  T     M     T
 A     R  T     F     C  T  V
 J        R  N     Y  M     N
    R  C  H        C  T  S  A
 N  S  U  C  C  U  L  E  N  T
```

SUCCULENT • JOURNEYMAN
ARTIFACT • ESTIMATE • SALUTARY
ARCHAIC • BIBELOT • DEMEANOR
WEIRD • MORTALITY • EXTRINSIC

```
A F E E X T R I N S I C D U V G I
E Z N U I N C O M P A T I B L E M
E A R E M U N E R A T I O N A C P
E N T C A F I T R A U E I L I M A
R S R U M O R T A L I T Y U S T I
R I T S U C C U L E N T E I X R R
M U N I F I C E N T S U O I P O C
I I I A M L E T E T O L E B I B I
P I I P L A C Y T I L U R R A G A
H E R O I C T L Y R A T U L A S H
F E M A I N T E N A N C E C C R C
O A T I J O U R N E Y M A N P A R
N E D E M E A N O R W E I R D G A
```

BIBELOT • SUCCULENT • DEMEANOR
REMUNERATION • ARTIFACT
MUNIFICENT • COPIOUS • ESTIMATE
INCOMPATIBLE • HEROIC • WEIRD
GARRULITY • SALUTARY
MAINTENANCE • IMPAIR • ARCHAIC
JOURNEYMAN • MORTALITY
EXTRINSIC • MILIEU

A toy car can go 4 mph. How long would it take to go 6 miles?

What 6 coins add up to 47 cents?

Round 81,648 to the nearest hundred.

The diameter of a circle is 1,386 cm. What is the radius of this circle?

How much money is 1 quarter, 3 dimes, 1 nickel, and 1 penny?

Round the decimal 0.355 to the nearest hundredth.

Name: _____

Word Roots
to Know:

photo
means light
photograph
photosynthesis

re
means again
return
recall

bell
means war
rebel
antebellum

trans
means across
transportation
transcend

Vocabulary is confusing. Get to the root of the problem with word roots! Here are the answers:

transportation ● rebel ● photosynthesis ● again ● re ● bell ● transcend

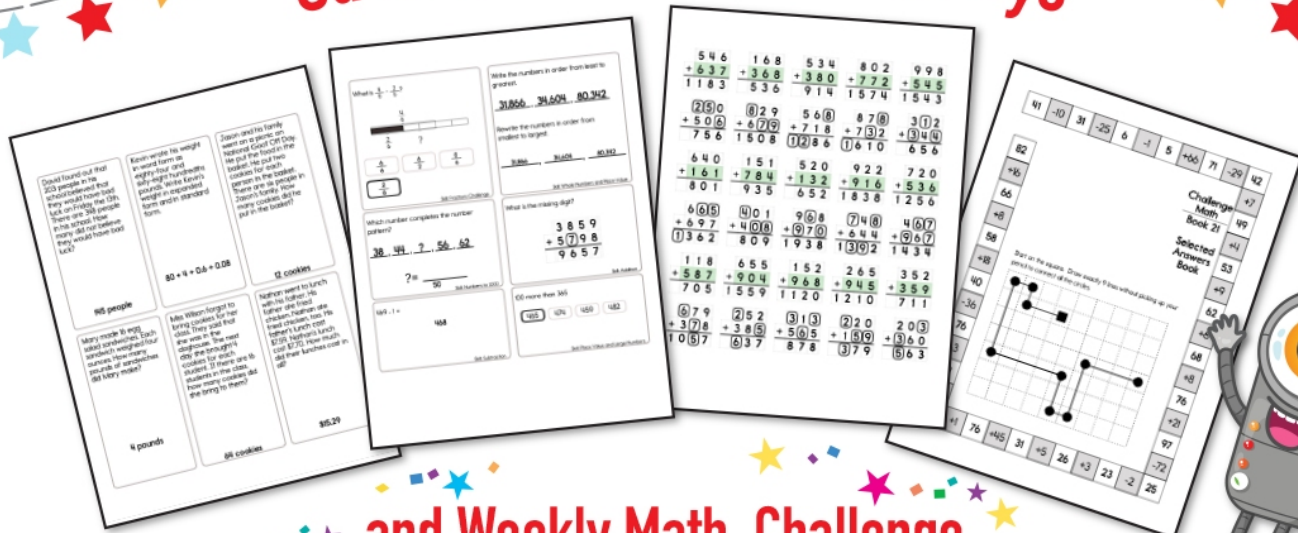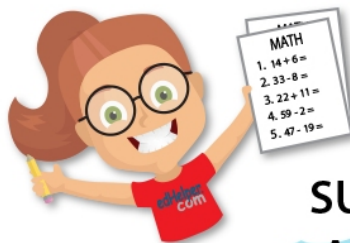|	
The root: re	q i c d a f **a g a i n** n a g a n a a
means	a **a g a i n** u y g m r e g a i n k f
Word with	m e d t r a n s c e n d d d i c c z
the root: trans	s r r l c c r e t r a n s c e n d o
Word with	y x p h o t o s y n t h e s i s p s
the root: photo	o p h o t o s y n t h e s i s e m t
Word with	o n b r t r a n s p o r t a t i o n
the root: trans	t r a n s p o r t a t i o n r d r s
This root	e m x w t c d f b k r **r e** r r s l y
means again	b y z x i v q h e r c a e n r **r e** r
This root	o l q h e l l i b e l l p u k l l m
means war	y b b e l l l h b l b a h l p x n j
Word with	l d f r e b e l k q e y j r e b l e
the root: bell	v l p r e b u h l l r e b e l q l l