Name: _____

Feldspar is a common mineral on Earth. By some estimates, feldspar makes up three-fifths of the mineral mass in the crust. Convert this fraction to a percent.

What is the probability of choosing a heart from a standard deck of 52 randomly arranged playing cards?

If you have five books, how many different ways are there to stack these five books on a table?

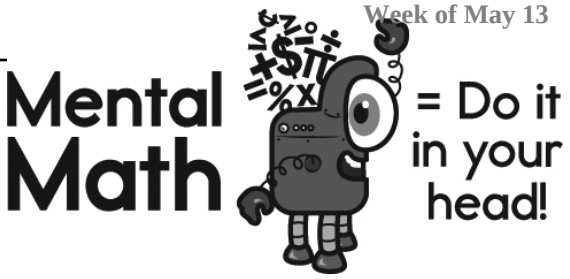
Mary enjoys playing disk golf. She has really improved in recent months, and she got her lowest score ever, today. She scored a 34 on a nine-hole course. She remembered last year when she played the same course for the first time and scored a 50. By what percent did her score decrease this last time compared to the time she scored a 50? Round your answer to the nearest tenth of a percent.

If you have four 2 in by 2 in x 2 in aluminum cubes and superglue them together in a row, what is the surface area of the resulting shape made by the four cubes?

The number of coyotes in the area around Big Town has changed over the years. During the previous survey, which was done two years ago, there were estimated to be 553 coyotes. The most recent survey indicates the coyote population has increased by 5%. If this is true, what is a good estimate for the number of coyotes presently around Big Town?

Name: _____

Only use a pencil to write the numbers on the blank lines. You do not need any scrap paper! Solve it in your head. If you forget a number, then start over. Cool, huh?



A	B	C	D
imagine 9 in your head	imagine 5 in your head	imagine 3 in your head	imagine 3 in your head
double it	subtract 3	multiply 8	add 1
add 7	add 6	double it	add 9
	double it	add 1	add 4
	subtract 7	add 9	double it
		subtract 6	
Write the ones digit.	Write the number.	Write the even digit in your answer.	Write the ones digit.
____	____	____	____

What is the sum?

A + B + C + D

____ ____

Wow! Great job! That's the answer, but do you know how to SPELL the number?

____ ____ ____ ____ **t** **y**

2 after 11 _____	7 before 13 _____	2 before 15 _____
1 after 18 _____	8 before 11 _____	5 before 12 _____
4 after 17 _____	4 before 14 _____	9 before 16 _____

Name: _____

Jack has to write examples of five different kinds of poetry for his language arts class. He has written a cinquain and a haiku. Now he is trying to think how to start a limerick. The big football game is on television at 4:00 p.m. and if he doesn't finish this assignment, he can't watch it. He only has 44 minutes left until time for the game! What time is it (for Jack)?

Sara and Jason are planning a garden. Sara said if they make the garden round it would look better. Jason said if they make the garden square they will be able to plant more. They have enough space to make a round garden with a diameter of twenty feet or a square garden with each side being twenty feet. If they put four plants in each square foot of ground, how many more plants will they be able to plant in the square garden than they could plant in the round garden?

Pam has given powers to her collection of dolls. There are the J dolls and the G dolls. Today, she is having a match between one J doll and one G doll. The doll with more power will win. Who will win?

Four J dolls have 2 power points.

Six G dolls have 7 power points.

Circle the percentage that is closest to 32 out of 61:

95%
70%
5%
44%

(0.7)(0.14)

If a = 8 and b = 7, then
4a + b =

word root **vol** can mean **will** **volunteer, volition**

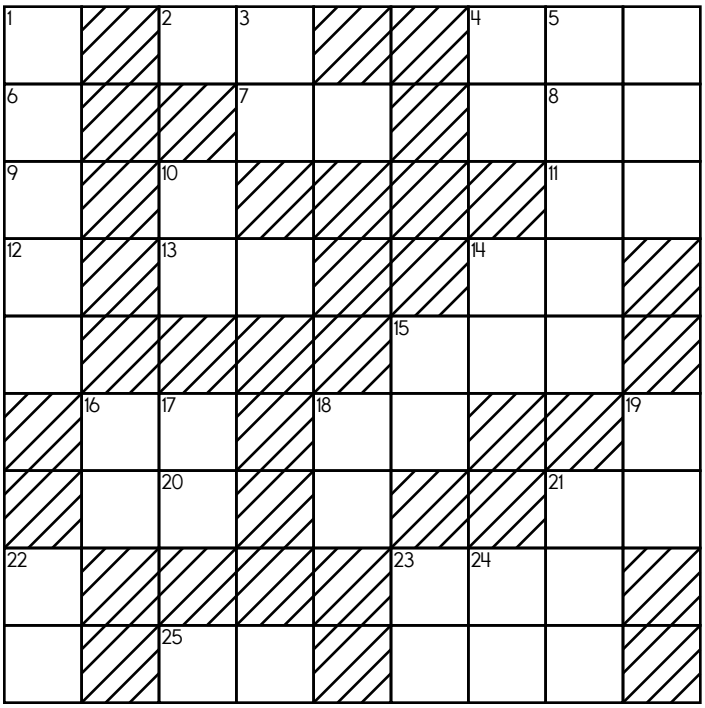
Name: _____

ACROSS

1. One more than 6-Across
2. Three more than 17-Down
5. Six times 3-Down
6. One-ninth of 12-Down
7. Seven less than 14-Down
8. One-sixth of 18-Down
9. One-ninth of 17-Down
11. Six less than 14-Across
13. Four less than 16-Down
14. Two more than 18-Down
15. 11-Across plus 12-Down
20. **8 + 8 = 2 x ____**
25. Two less than 5-Across

DOWN

3. One-fourth of 14-Down
4. Six more than 11-Across
10. 16-Down plus 20-Across
12. Three times 3-Down
14. Nickels in three dollars
15. One-fourth of 11-Across
16. 7-Across plus 3-Down
17. 8-Across plus 20-Across
18. Four times 3-Down
19. 7-Across plus 8-Across
21. Nine times 2-Across
22. Seven times 8-Across
23. Five less than 24-Down
24. One more than 19-Down



(4 + 6) + 6 =

$$\begin{array}{r} 38 \\ +\ 22 \\ \hline \end{array}$$

20 ÷ 10 = _____

$$\begin{array}{r} 37 \\ -\ 26 \\ \hline \end{array}$$

word root **patho** can mean **disease** **pathological, pathogenic**

Name: _____

Subtract 340 from 1583.

$$\begin{array}{r} 782 \\ +\ 92 \\ \hline \end{array}$$

3810 - 5627 =

$$\begin{array}{r} 2 \\ 6 \\ +\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} 476 \\ 24 \\ 8 \\ +\ 404 \\ \hline \end{array}$$

$30\overline{)7147}$

Divide and write remainder.

Find the sum of 89, 13, and 94.

383 + 140 + 562 =

$$\begin{array}{r} 717{,}996 \\ 716{,}185 \\ +\ 274{,}936 \\ \hline \end{array}$$

$$\begin{array}{r} 542{,}980 \\ -\ 34{,}960 \\ \hline \end{array}$$

$$\begin{array}{r} 9{,}219{,}759 \\ -\ 1{,}458 \\ \hline \end{array}$$

$$\begin{array}{r} 4{,}961 \\ -\ 1{,}266 \\ \hline \end{array}$$

Name: _____

The Market on the Square had to buy 23 new carts. The price of each cart was $129.95 plus $10 per cart to put the name of the market on the cart. If the manager of Market on the Square decides to buy 11 new carts with the name of the market and the rest without, what will the cost be?

During the month of Ramadan, Muslims fast from sunrise to sunset. In New York City, the sun will rise at 7:12 a.m. and set at 6:31 p.m. on October 16. How long will the Muslims in New York City fast on that day?

At the St. Patrick's Day party, sandwiches and drinks were served. Each guest could choose a corned beef, ham, or fish sandwich and coffee, tea, or lemonade. If each guest can have one sandwich and one drink, how many different combinations are there to choose from?

How many kilograms are in 5,000 grams?

_____ kilograms

Anne rolls a die. What is the chance of her rolling a 1?

_____

What number is halfway between 25 and 44?

$$\begin{array}{r} 481 \\ +\ 422 \\ \hline \end{array}$$

3 x 3 = _____

28 ÷ 4 =

$$\begin{array}{r} 286 \\ -\ 228 \\ \hline \end{array}$$

You cannot decide what pizza store to go to. Amy's pizza cuts their pizza into 5 slices. Each slice costs $5 each. Megan's pizza cuts their pizza into 4 slices. Each slice costs $5 each. If you like each pizza the same, which pizza store has the better buy?

27 ÷ 9 =

Name: _____

1 kg = 1,000 g

11 kg = _____ g

10 x 4 = _____

9 x 8 =

Make a decimal number. Start with a zero and a decimal point. Then use these numbers: 40, 3, 6, and 7. Make three different decimal numbers. Put your theee decimal numbers in order from largest to smallest.

2,979 - 1,947 = _____

19 lb = _____ oz

3 x 3 = _____

Amy is older than Anna. Amy is younger than Rose. Who's the youngest?

Circle the smallest number:

52,041,967

928,751,364,038

659,073,824

39,071,642,851

11 x 10 =

36 ÷ 6 = _____

12 x 11 =

April likes to change numbers into a secret letter form. April changed the number 916 to VVV. April changed the number 91,915 to VVVVV. April changed the number 7,755 to VVVV. April changed the number 299,574 to VVVVVV. How do you think she would change the number 65?

_____

In the number 9,864,126,733, the digit 7 is in what place?

_____

96 ÷ 8 = _____

80 ÷ 8 = _____

2,461 + 4,197 = _____

88 ÷ 11 =

Name: _____

Can 816 be evenly divided by 3? Circle:
816 is evenly divisible by 3
816 is NOT evenly divisible by 3

24 ÷ 8 = _____

70 ÷ 7 = _____

12 ÷ 6 = _____

Write this as a number in standard form.
Use a comma in your number.

five hundred twelve thousand, five hundred sixty-four

_____

For 17,731,200,567,450, write the digit that is in the hundred thousands place.

_____

What should replace the R in this equation?

40 ÷ 8 + R = 43

40 ÷ 8 = _____

8 x 3 = _____

Circle the addition property for 76 + 74 = 74 + 76.

commutative property

associative property

Three girls ran a race.
Mary ran past Maria in the race and Maria never caught up.
Anne was not as fast as Mary.
Who won the race? Do you have enough information to know?

12 ÷ 2 = _____

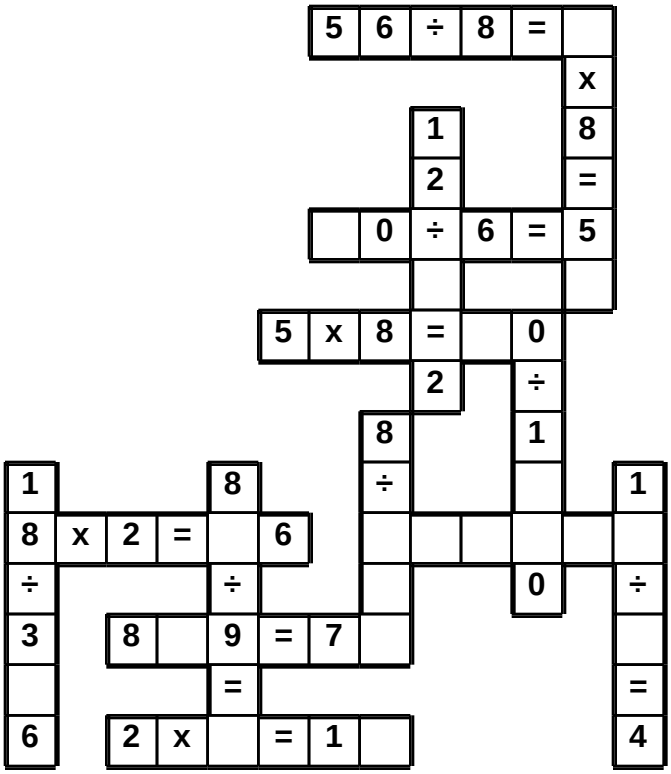
8 x 9 = _____

word root **chron** can mean **time** **synchronize, chronological**

Name: _____

7 • 3 • 6 • 6 • 4 • 2 • 1 • 4 • x • 3 • = • 1 • 2 • = • x • 2 • 3 = • 9 • 8

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



22 ÷ 2 = _____

Write the numbers 25 to 50 on a sheet of paper.
How many of these numbers are divisible by 4?

_____

What time is 14 hours after 3:00 a.m.?

_____

What number is halfway between 3 and 13?

835 + 147 = _____

Circle the greatest number:

36,497,051 94,037

827,325,861 5,482,619,012

Circle the digit in the tenths place.

98.711

Name: _____

United States, Russia, Canada, and Austria competed in a two-run bobsled competition.
The times on the first run were one minute and 52.19 seconds, one minute and 52.41 seconds, one minute and 52.04 seconds, and one minute and 51.54 seconds.
The times on the second run were one minute and 53.18 seconds, one minute and 53.41 seconds, one minute and 53.61 seconds, and one minute and 54.10 seconds.

Figure out the time needed for each run and the combined run time for each team.

1. The team that finished the first run in one minute and 52.19 seconds was not the team that finished the second run in either one minute and 54.10 seconds or one minute and 53.61 seconds.
2. The bobsled team from Russia clocked a combined time of three minutes and 46.14 seconds.
3. On the second run, the team from United States was one second and one hundred eighty-seven hundredths of a second slower than their first run.
4. The team from Canada needed more than one minute and 53.54 seconds to finish the second race.
5. On the first run, the team from Russia was fifty hundredths of a second behind the winners of the first run.

United States finished the first run in _____ and the second in _____.

Russia finished the first run in _____ and the second in _____.

Canada finished the first run in _____ and the second in _____.

Austria finished the first run in _____ and the second in _____.

7 x 11 = _____	108 ÷ 9 = _____
11 x 3 = _____	8,823 - 5,649 = _____

Name: _____

Reduce $\frac{56}{64}$ to its lowest terms.

74 - $\frac{7}{8}$ =

Reduce $\frac{8}{16}$ to its lowest terms.

Reduce each fraction to its lowest terms.

$\frac{24}{54}$ =

$\frac{7}{35}$ =

$\frac{6}{8}$ =

$\frac{8}{24}$ =

$\frac{48}{72}$ =

$\frac{63}{91}$ =

Find the least common denominator.

$\frac{2}{7}$ and $\frac{7}{8}$

$$6\frac{1}{5}$$
$$+\ 9\frac{2}{3}$$

Write the reciprocal.

$\frac{10}{20}$

Write the reciprocal.

$\frac{7}{2}$

Write the reciprocal.

$\frac{1}{2}$

Write the reciprocal.

19

Write the reciprocal.

$\frac{14}{11}$

Write the reciprocal.

$\frac{20}{7}$

Name: _____

Simplify.

$\frac{18}{21}$ =

$9 \times 9 \times 9 = Z^y$

What is the value of Z and y?

11 + 5 x 11 + 8

Rewrite as an algebraic expression or equation.

Six thousand, seven hundred thirty-seven minus the product of s and 22.8.

What is the mode of the following number set?

38, 45, 57, 50, 45, 56, 39, 39, 43, 53, 40, 38, 52, 46

i, G, i, G, i, G, i, G,

_____, G, i, G

0.5 (0.6 (0.5 + 6)) =

0.4 (0.8 (0.4 x 7)) =

If 4x = 72, then x =

Rewrite as an algebraic expression or equation.

Add 17 to the product of v and 12

U, U, C, C, U, U, C, C, U,

_____, C, C

What is the mode of the following number set?

53, 56, 36, 43, 40, 52, 49, 51, 44, 45, 42, 55

word root **dom** can mean **house** **domestic, domicile**

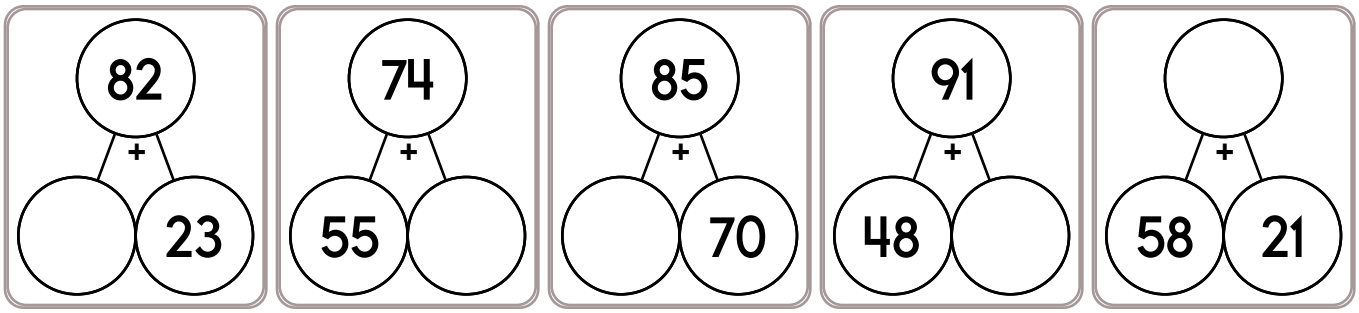
Name: _____

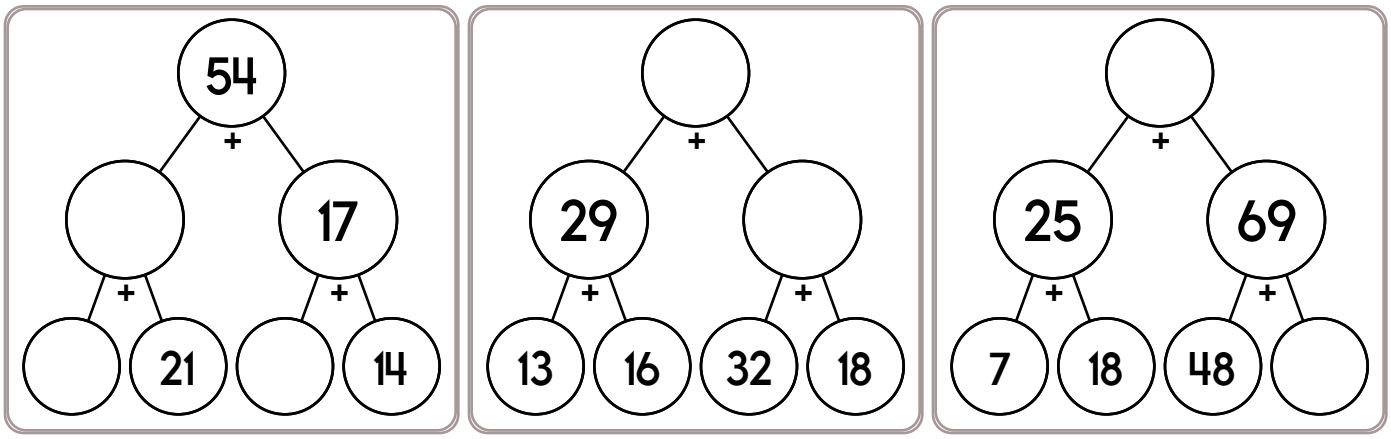
58 = 52 + 6	54 = 49 + ___	26 = ___ + 5	17 = ___ + 4
23 = 14 + ___	102 = ___ + 6	41 = 39 + ___	49 = ___ + 8

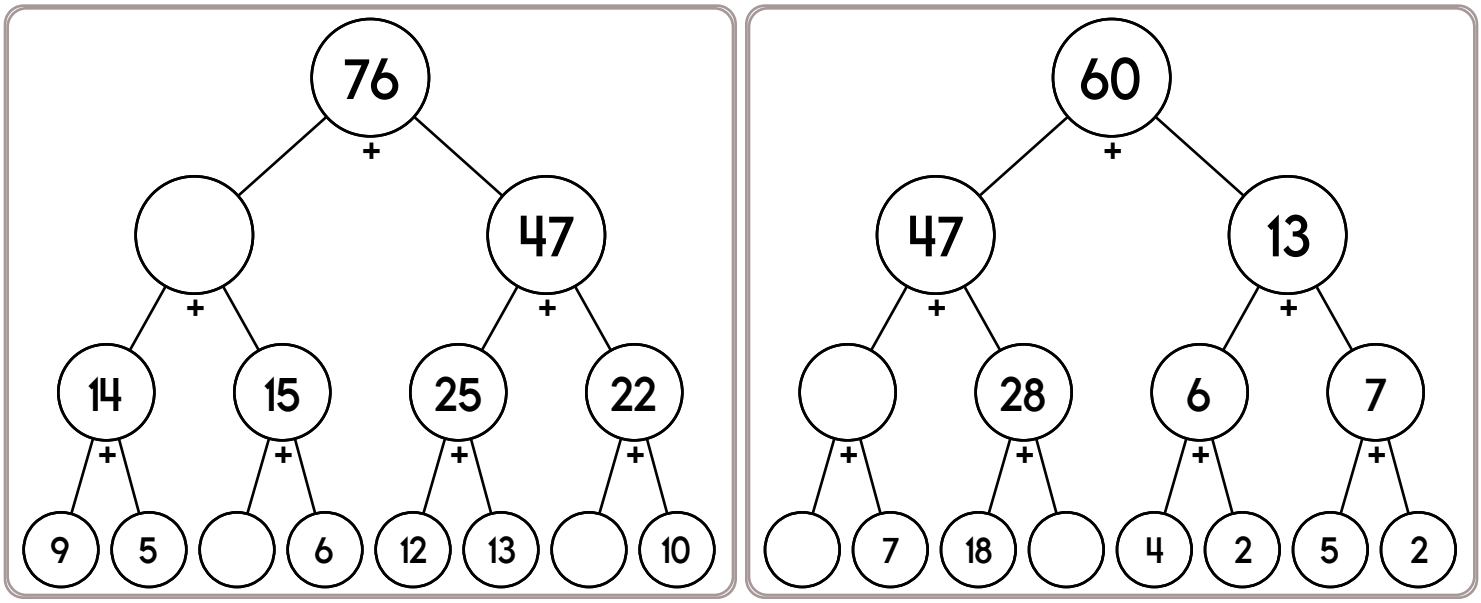
27 ÷ 3 =	36 ÷ 9 =	15 ÷ 3 =
18 ÷ 9 =	84 ÷ 7 =	24 ÷ 12 =
21 ÷ 3 =	90 ÷ 9 =	42 ÷ 7 =
55 ÷ 11 =	12 ÷ 2 =	16 ÷ 4 =

___ - 7 = 15	___ - 4 = 45	83 - ___ = 77
50 - ___ = 43	___ - 9 = 83	76 - ___ = 71
95 - ___ = 90	___ - 3 = 82	79 - ___ = 71
___ - 4 = 10	73 - ___ = 68	___ - 9 = 52

Name: _____







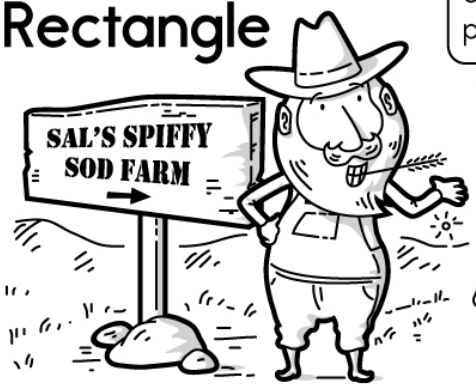
$$\begin{array}{r} 5.5 \\ +\,19.36 \\ \hline \end{array}$$

15.8 - 3.37 =

$$\begin{array}{r} 8.7 \\ -\,2.1 \\ \hline \end{array}$$

Name: _____

Area of a Rectangle

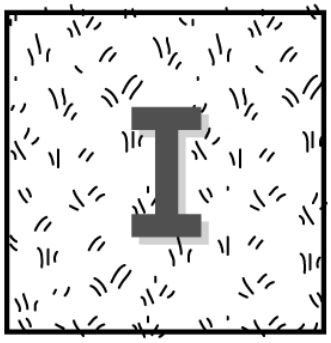


Right here I have a piece of **ryegrass** sod with a perimeter of 18 units.

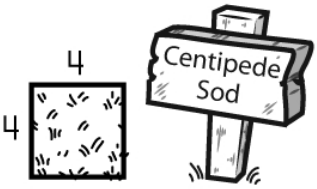
Draw and label a **different** piece of **ryegrass** sod with a perimeter of 18 units.

Color the piece of ryegrass that has the largest area.

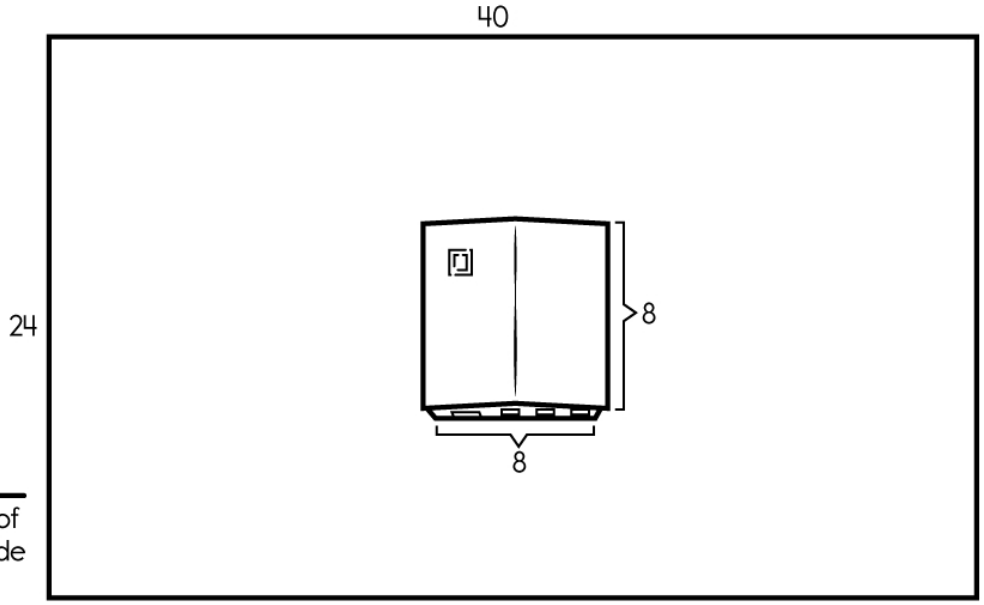
Sal has a square piece of sweet St. Augustine sod that has a perimeter of 36 units. What is the area?



_____ units ^{2}



Sal's Spiffy Sod Farm has been hired to lay sod on the yard below. Find how many 4x4 pieces of **SUPER CENTIPEDE** sod Sal needs to cover the yard.



_____ pieces of centipede sod

Name: _____

If a rubber band can be stretched to a circular shape that has a radius of 2.4 inches. How many 1.2-mm diameter toothpicks of could fit within it? (1 inch = 25.4 mm)

Alex is a puzzle fanatic! He works jigsaw puzzles during most of his free time. He just bought a puzzle with all 1.46-centimeter square pieces. The puzzle is 147 pieces wide. How many centimeters wide is the puzzle?

Show the steps to solve 5(44 - 7 + 13) x 13 - 64 x 13 ÷ 2.

Step 1. Parentheses

Step 2. Exponents

Step 3. Multiplication & Division (or Division & Multiplication!)

Step 4. Addition & Subtraction (or Subtraction & Division!)

Wendy got a summer job working on an app where people post pictures of their pets. This week they had 1,000,000 pictures posted. Of those pictures, 37% were dogs. How many pictures of dogs did they get this week?

word root **mania** can mean **madness** **kleptomania, megalomania**

Name: _____

Puzzle:

				25
			8	23
				17
	8			23
25	18	26	19	+

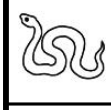
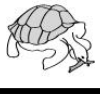
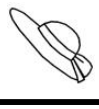
Work Area:

				25
			8	23
				17
	8			23
25	18	26	19	+

The sum for each column and row is given.

= _____ = _____ = _____

Puzzle:

				24
				21
				19
				19
22	21	15	25	+

Work Area:

				24
				21
				19
				19
22	21	15	25	+

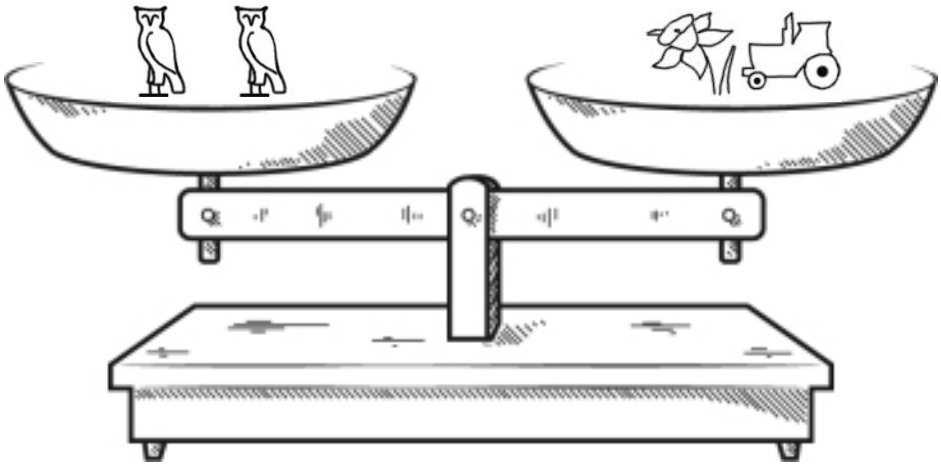
The sum for each column and row is given.

= _____ = _____ = _____

= _____ = _____ = _____

word root **crypt** can mean **secret** **crypt, cryptic**

Name: _____



=

☐ True ☐ False

<

☐ True ☐ False

=

☐ True ☐ False

=

☐ True ☐ False

>

☐ True ☐ False

=

☐ True ☐ False

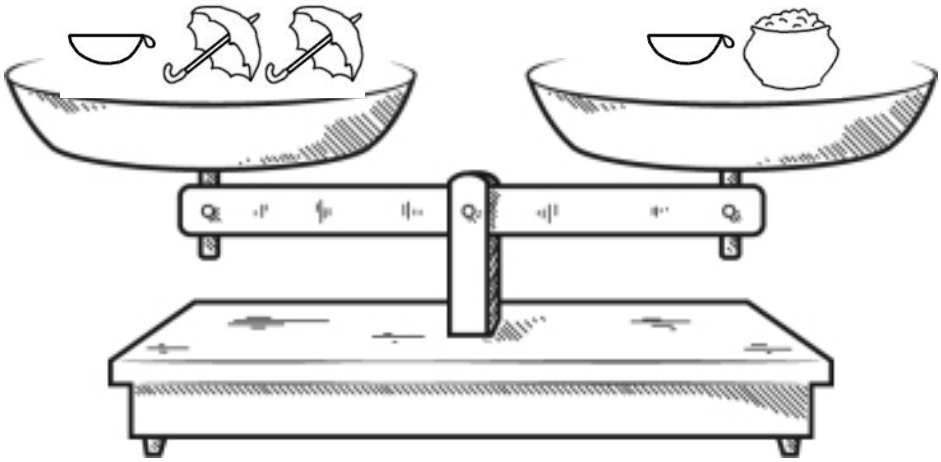
=

☐ True ☐ False

Did you find that three are true? If not, look again!

You should only mark TRUE if you are absolutely sure it is correct!

Name: _____

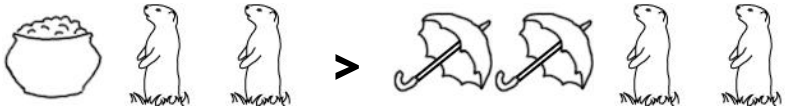


☐ True ☐ False

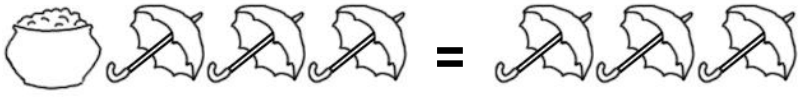
☐ True ☐ False

☐ True ☐ False

☐ True ☐ False



☐ True ☐ False



☐ True ☐ False

☐ True ☐ False

Did you find that three are true? If not, look again!

Hint: If you see the same pieces on both sides, you might need to remove both pieces.

You should only mark TRUE if you are absolutely sure it is correct!

Name: _____

Complete each pattern. Write what the rule is.

27.6	25.3	23
20.7	18.4	
13.8	11.5	
6.9	4.6	

Complete each pattern. Write what the rule is.

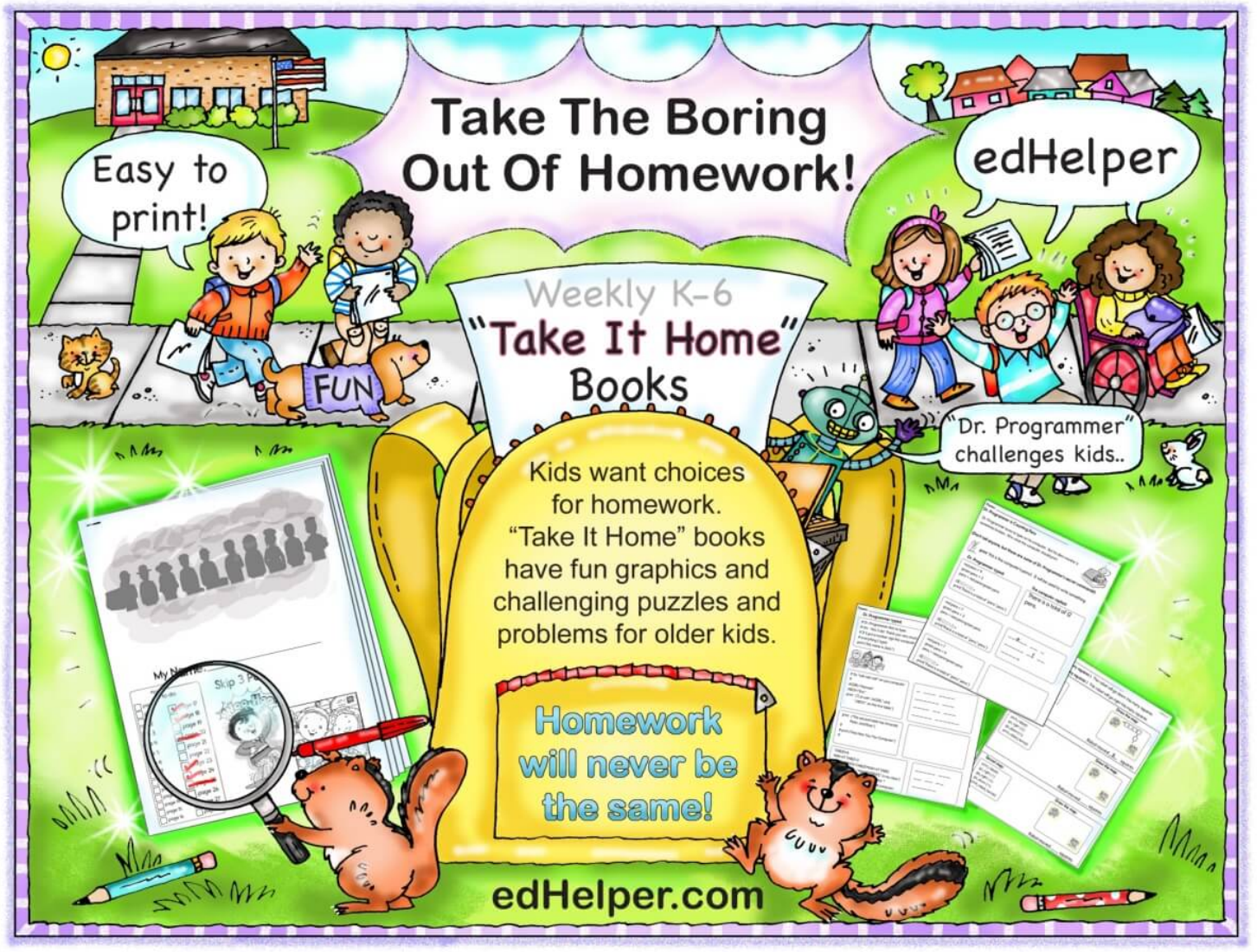
69295, 95692, 92956, 56929, 29569, _____, _____,

92956, 56929, 29569, 69295, 95692, 92956, 56929

764947, 477649, 494776, _____, _____, 494776, 764947,

477649, 494776, 764947, 477649, 494776, _____, 477649

Where can I get more of this great stuff?
More math!
More spelling!
It's NO PREP at edHelper.
More history!
CLASS RULES
edHelper.com!
New online math games!
More things for the classroom!
More science!
New ideas!
More puzzles!


Take The Boring Out Of Homework!
Easy to print!
edHelper
Weekly K-6
"Take It Home" Books
FUN
"Dr. Programmer" challenges kids..
Kids want choices for homework. "Take It Home" books have fun graphics and challenging puzzles and problems for older kids.
Homework will never be the same!
edHelper.com