

Name: _____

$$y = x + 16$$

$$y = 26$$

What is the value of x?

$$|-5| - m = 8$$

$$m =$$

$$\frac{1}{12} \div \frac{3}{4} =$$

Circle the percentage that is closest to 26 out of 51:

5%

95%

75%

29%

Simplify.

$$\frac{12}{18} =$$

6, _____, 36, 180, 186,

930, 936, __, __

Rewrite as an algebraic expression or equation.

Four more than c tripled is one hundred five.

Crazy Robert had pizza 21 days in the month of December. Approximately what percent of the month did he have pizza?

41, 48, 55, 65, 75, 88, 101,

117, _____, 152, 171, 193, 215,

240

At the dive meet Jason received scores of 7.4, 7.7, 7.5, 7.4, and 7.9. The largest and smallest scores were dropped and the rest were averaged for a final score and rounded to the nearest tenth. What is the final score Jason received?

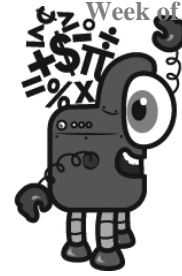
How many possible values of w can there be if w is a number between 35 and 50, w is an even number, and w is evenly divisible by 3?

If $3x = 54$, then $x =$

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?

Mental Math



= Do it
in your
head!

imagine 9 in your head

multiply 5

add 4

Write the tens digit.

_____ A

imagine 8 in your head

double it

subtract 9

add 2

Write the number.

_____ B

imagine 4 in your head

add 3

double it

subtract 7

subtract 3

Write the number.

_____ C

imagine 7 in your head

double it

add 3

subtract 9

add 6

add 2

Write the odd digit
in your answer.

_____ D

What is the sum?

$A + B + C + D$

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

_____ h _____ t _____ e _____

8 before 19 _____

6 after 19 _____

3 before 14 _____

2 before 17 _____

8 after 16 _____

7 before 13 _____

5 before 16 _____

5 after 11 _____

1 before 12 _____

Name: _____

Draw a line from START to END.

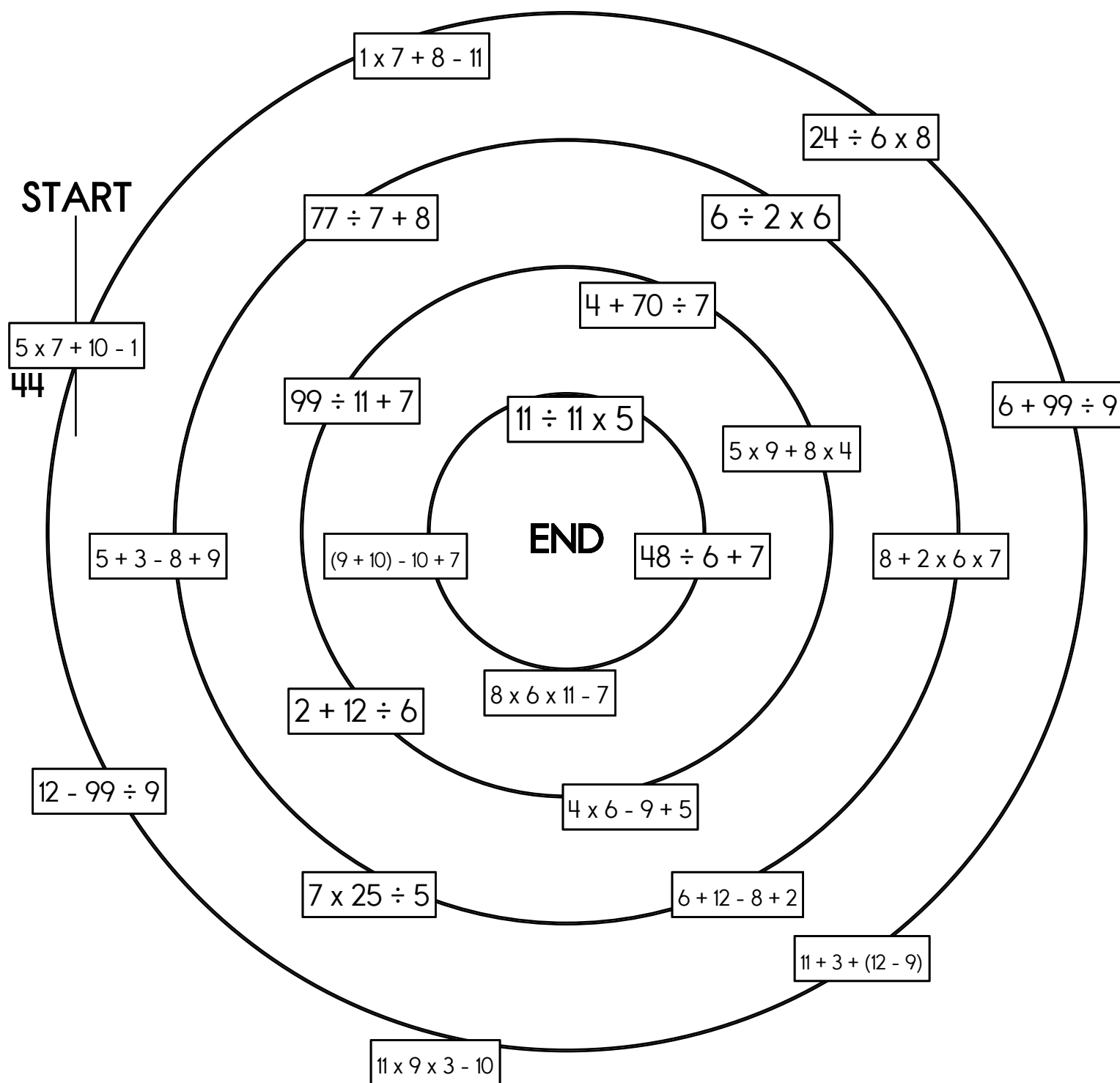
20

~~44~~

9

15

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



Name: _____

Mrs. White has an upright freezer in her basement. She has 118 pounds of food in it. 9% of the food is fruit. 31% of the foods are casseroles she has made. 34% of the food is meat. The rest of the food is ice cream! How many pounds of the food is meat? Round your answer to the nearest whole number if needed.

April bought purple, green, and gold streamers to put all the way around the librarian's desk on Mardi Gras Day. The desk is in the shape of a triangle with sides of 4m, 3m, and 5m. The streamers cost \$0.42 per meter. What will it cost to buy enough to wrap around the desk 3 times?

At the mud factory, Purple's job is to scoop up mud and make it into kilogram blocks of mud. She loves her job! Today there were 830,020,965 milligrams of mud trucked in. Each mud block is precisely 1 kilogram, no less, no more. How many mud blocks can she make today?

Zeeka has invented a new space vehicle to go from his home planet of Zomba to his friend's planet of Oomba. It is a fun ride! It can fly at a speed of 660 mph. How far will it go in 5 minutes? Round your answer to the nearest mile.

Name: _____

Cross off the number that does NOT belong.

$$4, 3\frac{20}{25}, 3\frac{15}{25}, 3\frac{10}{25}, 3\frac{5}{25}, 3, 2\frac{20}{25}, 2\frac{15}{25}, 2\frac{10}{25}, \\ 2\frac{5}{25}, 2, 1\frac{20}{25}, 1\frac{15}{25}, 1\frac{10}{25}, 1\frac{6}{25}, 1\frac{5}{25}, 1, \frac{20}{25}$$

Why does _____ not belong in the pattern?

Subtract $\frac{1}{5}$

Cross off the number that does NOT belong.

8, 9, 12, 20, 16, 31, 20, 42, 24, 53, 28, 55, 64, 32, 75

Why does _____ not belong in the pattern?

Name: _____

<p>Anne wanted to clean out her fish tank. Her fish tank was 2.3 feet long, 1.7 feet deep and 1.3 feet wide. Eighty-six percent of the volume of the tank was filled with water. What was the volume of the part of the tank that was not filled with water? Round your answer to the nearest hundredth.</p>	<p>Max was in an accident. He was not hurt, but the car was! The total repair bill from the body shop was \$3,162.05. Max's insurance will pay 80% of the cost. How much will Max have to pay?</p>	<p>Gavin bought 3 books about mules. He received \$4.03 back in coins. He has 10 quarters, half as many dimes as quarters, 3 times as many nickels as dimes, and the rest are pennies. How many of each coin does he have?</p>
--	--	--

<p>$3,123 + 9,499 =$ _____</p>	<p>Holly rolls a die. What is the chance of her rolling a 5?</p> <p>_____</p>
---	---

<p>13 km = _____ m</p>	<p>What time is 16 hours after 2:00 p.m.?</p> <p>_____</p>	<p>$9 \times 11 =$ _____</p>
------------------------	--	---

<p>How many yards are in 21 feet?</p> <p>_____ yards</p>	<p>$20 \div 5 =$ _____</p>	$\begin{array}{r} 357 \\ + 483 \\ \hline \end{array}$
--	---------------------------------------	---

<p>$2 \times 5 =$ _____</p>	<p>$84 \div 7 =$ _____</p>	<p>$87,323 - 69,939 =$ _____</p>
--	---------------------------------------	---

<p>1 cm = 10 mm</p> <p>16 cm = _____ mm</p>

Name: _____

What Words? Your Words!

Fill in the boxes with letters to make words. Each box is worth points. Earn points by filling in as many boxes as you can. Sum up the points you earn for each word.

Make a Word

Sum

		1	2	4	8	14		
S	P	E	E	D				

7

1	2		4	6	8	12	16
		U					

--

	1	2	4	6
E	N			

--

Make a Word

Sum

1	2	4	6	8	14	20
	E					

--

1	2	4	8	14
W	E			

--

1	2	6	10	16	22
W	O				

--

$9 \times 8 =$

$$\begin{array}{r} 95 \\ - 40 \\ \hline \end{array}$$

Gavin has four pennies and one dime. He also has one other coin that is different from the rest of his coins. How much could he have?

$$\begin{array}{r} 365 \\ - 119 \\ \hline \end{array}$$

$11 \times 5 =$

$24 \div 8 =$

$$\begin{array}{r} 24 \\ + 48 \\ \hline \end{array}$$

$68,118 - 29,845 =$

$12 \times 5 =$

Three books cost \$12. At that rate, what is the cost of 12 books?

$33 \div 11 =$

Name: _____

<p>Can 637 be evenly divided by 3? Circle: 637 is evenly divisible by 3 637 is NOT evenly divisible by 3</p>	<p>Rose likes to change numbers into a secret letter form. Rose changed the number 64 to SS. Rose changed the number 434,297 to SSSSSS. Rose changed the number 19,775 to SSSSS. Rose changed the number 9,491 to SSSS. How do you think she would change the number 323?</p> <p>_____</p>
--	--

<p>In the number 5,149,357,402, the digit 7 is in what place?</p> <p>_____</p>	<p>70 ÷ 7 = _____</p>
--	-----------------------

<p>Write this as a number in standard form. Use a comma in your number.</p> <p>eight hundred forty-six thousand, one hundred sixty-three</p> <p>_____</p>	<p>72 ÷ 8 = _____</p>	<p>2 x 12 = _____</p>
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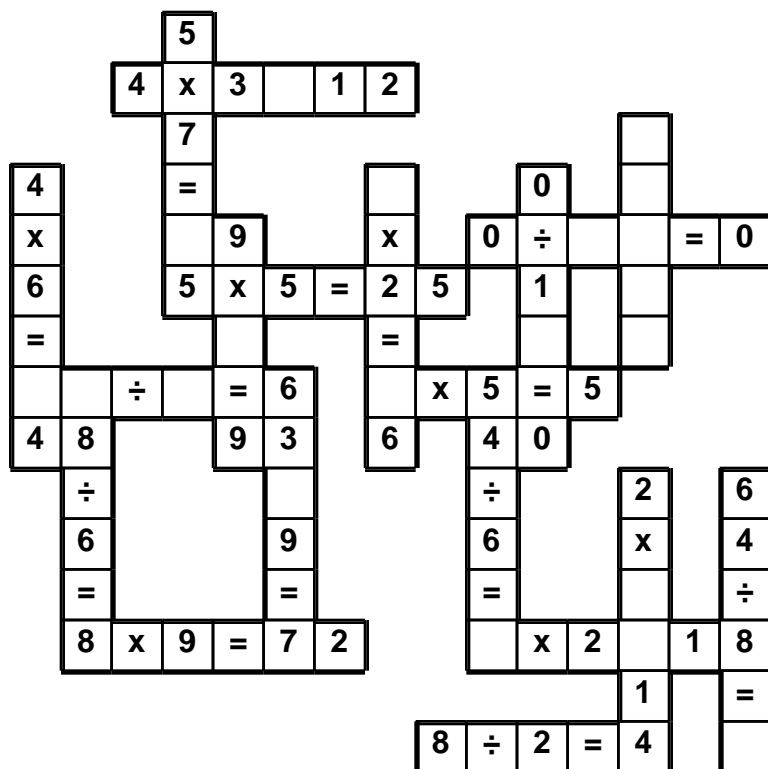
<p>Holly is a family friend. She will be picking you up from school and driving you to a bank. Where should she go? Write instructions to explain how she could get there and where you will be going.</p>
--

<p>66 ÷ 6 = _____</p>	<p>718 + 141 = _____</p>	<p>10 x 12 = _____</p>
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Name: _____

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

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



Circle the addition property
for $26 + 184 = 184 + 26$.

associative property
commutative property

$$66 \div 11 = \underline{\hspace{2cm}}$$

$$3 \times 2 = \underline{\hspace{2cm}}$$

Write 8,069 in words.

$$49 \div 7 = \underline{\hspace{2cm}}$$

$$15 \div 5 = \underline{\hspace{2cm}}$$

Write the numbers 50 to 75
on a sheet of paper.
How many of these numbers
are divisible by 7?

Name: _____

Write a division equation and solve.

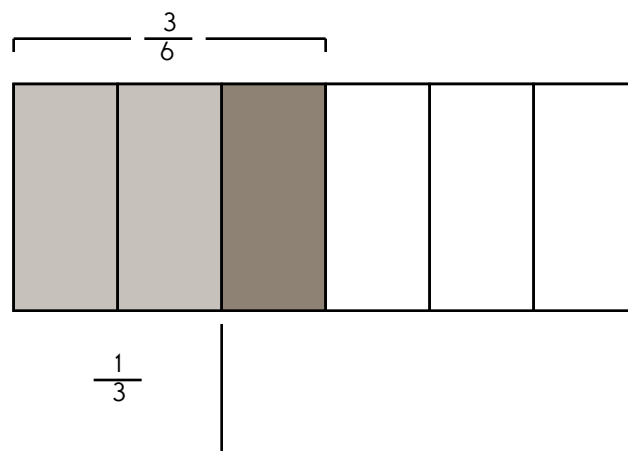
Number of two-fourths in 3 wholes =

Number of two-fifths in 4 wholes =

Number of four-fifths in 8 wholes =

Number of six-eighths in 9 wholes =

How many thirds are in three-sixths?



$$\frac{3}{6} \div \frac{1}{3} =$$

Draw a bar model and show how to solve.

Number of one-sixths in 4 wholes.

$$4 \div \frac{1}{6} =$$

Multiplying by 4 is the same thing as dividing by

Multiplying by $\frac{6}{4}$ is the same thing as dividing by

Multiplying by $\frac{8}{6}$ is the same thing as dividing by

Multiplying by $\frac{7}{5}$ is the same thing as dividing by

Name: _____

Find the difference
between 612 and 316.

$$\begin{array}{r} 71 \\ + 54 \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ + 26 \\ \hline \end{array}$$

$$5 + 1 + 1 + 7 + 9 =$$

$$6 + 6 =$$

Find the sum of 11, 18, and 49.

$$\begin{array}{r} 155 \\ \times 33 \\ \hline \end{array}$$

Multiply 81 and 3.

$$\begin{array}{r} 20 \\ \times 17 \\ \hline \end{array}$$

$$\begin{array}{r} 224 \\ \times 84 \\ \hline \end{array}$$

$$\begin{array}{r} 863 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ \times 14 \\ \hline \end{array}$$

Reduce $\frac{12}{18}$ to its lowest
terms.

$$3 - \frac{1}{2} - \frac{3}{10} =$$

Reduce $\frac{2}{12}$ to its lowest
terms.



Name: _____

Can you guess the word?

No duplicate letters can be used.

T H I N K

The letter T is in the word
and is in the correct spot.

B **L** O C K

The letter L is in the word,
but L is not in that spot.

A B C D E F G H I J K L

A list of letters will be given that
have not been used. Good luck!

Hint: There are no duplicate letters in the answer.

D	A	I	R	Y
M	I	N	U	S
S	I	X	T	H

B C E F G J K L O P Q V W Z

--	--	--	--	--

Let's check if you guessed correctly. Look across or
down to find the correct answer.

Z D H I N I G N J H S S T D A I R Y Y
Y J U A G P M G N L N I T I H R G G G
M T I R I I N G I G I G H G S H S P U
W S I I K H N H Z U Q H S C I T U D Q
M U H G T G R W H G D T I I M I N U S
I O V G A T A N H M T D H S I M G H T

Hint: There are no duplicate letters in the answer.

F **R** O N T
B **R** A K **E**
C **R** U **E** L

D G H I J M P Q S V W X Y Z

--	--	--	--	--

Let's check if you guessed correctly. Look diagonally
to find the correct answer. (DIAGONAL!)

D L O C L E K E O R Q R Y R V
C L C Y R T F F E O C F I E D
S C L C F U F R O Q D R L X R
F W R I C D E I O U R E I E R
P O I I N O R L O N E C I E N
N I G R I Y N N E N T R T O D

Hint: There are no duplicate letters in the answer.

C	L	A	S	P
H	A	V	E	N
E	X	T	R	A

B D F G I J K M O Q U W Y Z

--	--	--	--	--

Let's check if you guessed correctly. Look diagonally
to find the correct answer. (DIAGONAL!)

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

Name: _____

Fill in each box of the edHelperKu puzzle, using the numbers from 1 to 5.

Every row must contain the numbers 1, 2, 3, 4, and 5.

Every column must contain the numbers 1, 2, 3, 4, and 5.

In a cage with a plus sign, the given number will be the sum of all the digits in the cage.

In a cage with a subtraction sign, the given number will be the difference. The largest number will always be the box with the clue.

3-	3-		6+	
	2-		4	
2-		19+		
5+	5+	10+		
				2

Fill in the blanks. These equations are from the puzzle above.

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

$$4 + \underline{\quad} + \underline{\quad} = 10$$

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

$$\underline{\quad} + \underline{\quad} + 3 + \underline{\quad} + \underline{\quad} = 19$$

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

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

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

$$2 + \underline{\quad} + \underline{\quad} = 6$$

Name: _____

$$12 - y = 6$$

$$m + 7 = 15$$

What is the greatest common factor of 9, 27, and 15?

$$m - 13 = 22$$

What is the greatest common factor of 10 and 25?

$$y + 36 = 50$$

$$4 + \underline{\hspace{1cm}} = 11$$

What is the missing number?

Is the greatest common factor of 10 and 4 smaller, equal to, or greater than the least common multiple of 10 and 4?

$$\underline{\hspace{1cm}} - 12 = 14$$

What is the missing number?

$$9 + x = 17$$

What is the value of x?

$$x - 13 = 24$$

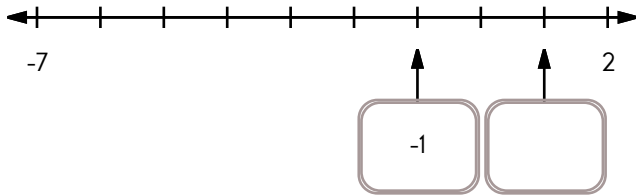
What is the value of x?

What is the greatest common factor of 9 and 3?

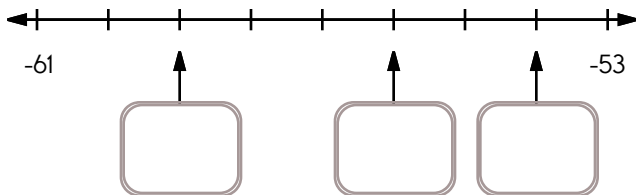
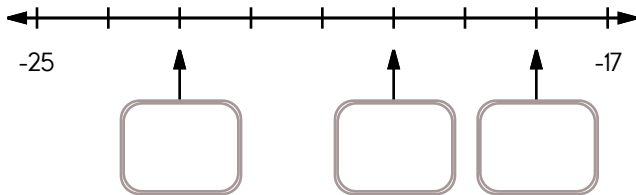
What is the least common multiple of 6, 24, and 17?

$$6 + y = 18$$

Name: _____



Fill in the missing values to complete each number line.



Write a positive or negative number for each.

12 °C below zero

10 °C above zero

14 °C below zero

You had 32 points in a game and then you lost 37 points. How many points do you have?

Write the opposite of each number.

-6 27 -428

1,729 534 -255

Complete each inequality using $>$, $=$, or $<$.

7 -18 -4 -9

33.3 -92.5 -92.9 60.6

-46.7 29.4 25.2 -33.5

Write the largest number.

-315, 493, 495.37, -476, 645.6, -0, 4, 1, 669.5, -7, 555.36, -9.03, 641.01, 238

Write the largest number.

-770, 740, -125.42, 948, 2.8, 0, -295, -647.6, -660, -969, 1, 614.01, 3.44, -276

Write the smallest number.

551, 914, 211, -929, 280.09, 964.95, 2.05, -517.4, -473, 4, -836, -6, -9, -434.85

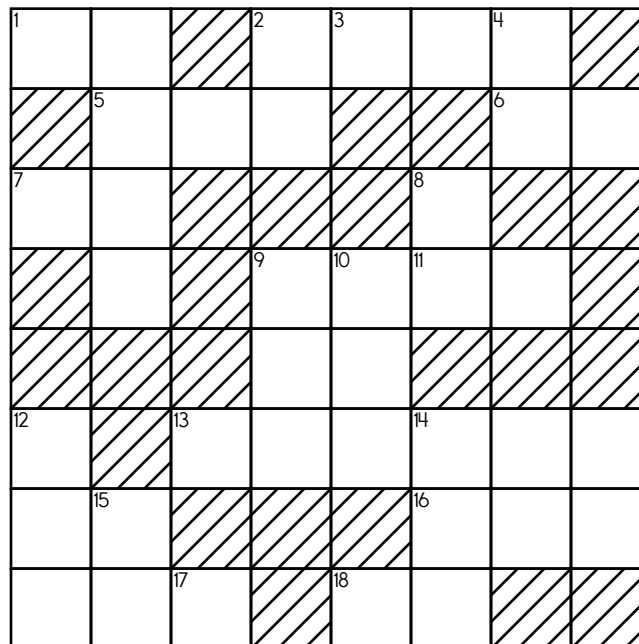
Name: _____

ACROSS

DOWN

1. One-fifth of 9-Down
3. 14-Across plus 8-Down
5. **Nickels in eight dollars**
6. Two times 4-Down
11. One-fourth of 5-Down
14. Six less than 9-Down
16. One more than 14-Across
17. One-third of 4-Down
18. $6 + 16$

2. $8 + 12$
4. $9 + 15$
5. Eight less than 5-Across
7. One more than 13-Down
8. Three times 1-Across
9. Three more than 5-Down
10. 8-Down plus 16-Across
12. Six less than 5-Across
13. $4 + 4 = 2 \times \underline{\hspace{1cm}}$
15. Three times 18-Across



Can 990 be evenly divided by 11? Circle:

990 is evenly divisible by 11

990 is NOT evenly divisible by 11

$100 \div 10 = \underline{\hspace{1cm}}$

Name: _____

Fill in each box of the edHelperKu puzzle, using the numbers from 1 to 5.

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12+	3-	2-		6+
				2
4		3-		
	8+	2-	9+	
				1-
				5
	4-		3	

Fill in the blanks. These equations are from the puzzle above.

$$\underline{\quad} + 4 = 9$$

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

$$\underline{\quad} + 2 + \underline{\quad} + \underline{\quad} = 8$$

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

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

$$2 + \underline{\quad} + \underline{\quad} = 6$$

$$\underline{\quad} - 2 = 2$$

$$\underline{\quad} - 1 = 2$$



It's NO PREP at edHelper.

More history!



edHelper.com!



New online math games!



New ideas!



\times $=$ $-$ \div $<$ $-$ $>$

More puzzles!



