

Name: _____

$53 - 7 =$

- A) 34
- B) 46
- C) 288
- D) None of the above

seventy thousand three =

- A) 370
- B) 70003
- C) 703
- D) 3070

$5 \times 10 \times 7 =$

- A) 110
- B) 230
- C) 357
- D) 350

$7000 - 300 =$

- A) 6,730
- B) 6,700
- C) 6,740
- D) 46,907

Which of the following numerals has a 3 in the hundred thousands place?

- A) 156243
- B) 645231
- C) 356412
- D) 254316

Which of these is 1,000 meters?

- A) 1 centimeter
- B) 0.1 kilometers
- C) 1 kilometer
- D) None of the above

Name: _____

What is the area of a rectangle with sides 3 cm and 6 cm?

How many centimeters in 640.8 meters?

Yummy Donuts gave three dozen chocolate donuts and six dozen jelly donuts to the school. How many donuts did they give?

$$31 + n = 42$$

What is the value of n ?

Round 19,309 to the nearest thousand.

It was 79 degrees outside. What would the temperature be if it got 27 degrees colder?

It was 6 degrees above zero in the morning. By afternoon the temperature rose 28 degrees. How warm was it?

A rectangle is 43 cm on one side and 12 cm on another side. What is the perimeter?

How much money is 1 quarter, 6 dimes, 1 nickel, and 1 penny?

The area of a rectangle is 30 cm^2 . What could the length of the 4 sides be?

Draw a number line with 0, $\frac{1}{2}$, and 1. Show where $\frac{8}{12}$ would go. Is $\frac{8}{12}$ closer to 0, $\frac{1}{2}$, or 1?

79825, 82579, 57982,
98257, 25798, 79825,
82579, 57982, 98257,
25798, 79825, _____,
57982, 98257

Name: _____

Erin wanted to make peanut butter cookies. She bought a jar of peanut butter for \$2.67, a pound of flour for \$0.35, a pound of butter for \$2.79, and a dozen eggs for \$1.21. How much did she spend in all?

Jack used 2.3 gallons of paint to paint Mrs. Thompson's front porch. How many quarts of paint did he use?

"I can quickly divide a three-digit number by a two-digit number," Emily tells Alex.

"Yeah, sure," replies Alex. "Then what is 240 divided by 16?"

Emily has a trick. She will distract Alex while you figure it out. Show your work!

The Zippy Zoo is special.

"Why?" asks Sally.

"Just look!" yells her brother.

It is obviously special because all they have are zebras. A total of 60 of them! The cool part is that 2 out of every 6 zebras at Zippy Zoo are not real zebras. They are robots.

"Wow," says Sally. "How many robot zebras are there?"

Name: _____

Rosa was bored. She asked her mother if she could make cookies. Her mother agreed, so Rosa got busy. She made 2 dozen oatmeal cookies and 14 chocolate chip cookies. How many cookies did she make in all?

There are 7,843 eggs to be packed into cartons. What number is in the hundreds place?

The Crazy Color Candy Company plans to make 17,408 pieces of licorice for Licorice Day. If they make an equal number of each of 4 flavors, how many will they make of each flavor?

In 2005, Hailu Negussie of Ethiopia won the Men's Open with a time of 2:11:45. Catherine Ndereba of Kenya won the Women's Open with a time of 2:25:13. How much faster was Negussie's time?

Last week volunteers planted 18,911 plants in the Niles City Park. Write that number in expanded form.

Holly is making a new dress for the Dance Like a Chicken Day party. She has $5\frac{1}{3}$ yards of fabric. She will use $2\frac{1}{4}$ yards for the skirt and $\frac{4}{5}$ yards for the top. How much fabric will be left over?

Name: _____

Menhaden Market sells canned anchovies and sardines. Twenty-three cans of anchovies are packed in a box. Eleven cans of sardines are packed in a box. If Daria's Deli buys eight boxes of anchovies and eight boxes of sardines, how many more cans of anchovies will she have than cans of sardines?

Amy was writing a research paper on the reasons for the widespread popularity and phenomenal growth of the Internet. She found that one reason for growth was the rapid increase of material in print. In fact, one article said that the volume of material in print doubled every four years. At that rate, if there were 8,213,843 pages in print in 1850, how many pages would have been in print in 1858?

Robert built a reading loft in his room. The floor of the loft was 7.2 feet long and 6.5 feet wide. What was the perimeter of the loft?

There are 24 students in the physical science class. Eight of them wear glasses and 7 wear contact lenses. What is the ratio of students who wear corrective lenses to those who do not?

Adam has a box of peanuts. The box is 6 inches long, 5 inches wide, and 4 inches deep. About 5 peanuts will fit in each cubic inch of volume. About how many peanuts are in the box?

Name: _____

<p>Circle the addition property for $64 + 81 = 81 + 64$.</p> <p>commutative property associative property</p>	<p>The principal of your school wants to buy thirty-three books. Each book costs \$14.20. She wants to estimate how much it will cost. Show her how you would estimate the cost:</p>
<p>9 km = _____ m</p>	

<p>1 lb = 16 oz</p> <p>6 lb = _____ oz</p>	<p>Write this as a number in standard form. Use a comma in your number.</p> <p>four hundred ninety-three thousand, seven hundred seventy-seven</p> <p>_____</p>	$\begin{array}{r} 222 \\ + 445 \\ \hline \end{array}$
--	---	---

<p>Write a letter that has two or more lines of symmetry.</p> <p>_____</p>	<p>What time is 15 hours after 3:00 p.m.?</p> <p>_____</p>	$\begin{array}{r} 38 \\ - 19 \\ \hline \end{array}$
--	--	---

<p>Ava was given five numbers: 8, 12, 15, 14, and 7. She needs to use two of these numbers to make a fraction. Can she make a fraction that is less than two-thirds?</p>	$\begin{array}{r} 526 \\ - 257 \\ \hline \end{array}$	<p>For 7,511,801,574,440,113, write the digit that is in the hundred thousands place.</p> <p>_____</p>
		$\begin{array}{r} 20 \\ + 23 \\ \hline \end{array}$

Name: _____

6 • + • = • 8 • 8 • = • 0 • 1 • = • 4 • 5 • 1 • 8 • 2 • 4 • 3
3 • = • 6 • 0

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

The puzzle grid contains the following elements:

- A vertical path on the left: 1, 5, -, 6, =, blank, +, 8.
- A vertical path in the middle-left: blank, +, 1, =, 7, +, blank.
- A horizontal path at the bottom-left: 7, x, blank, =, 4, 2.
- A horizontal path at the bottom: 0, +, 8, +, blank, =, 8.
- A vertical path on the right: 2, 4, 6, 4, ÷, 8, =, blank, 6, +, 7.
- A horizontal path in the middle-right: 0, x, 4, blank, blank, 2, 8, =, blank.
- A vertical path in the middle-right: 3, 3, 6, +, 7.
- A horizontal path in the middle-right: blank, x, blank, blank, 9.
- A vertical path in the middle-right: blank, +, 1, 5.
- A horizontal path in the middle-right: blank, 3, =, 8.
- A vertical path at the bottom-right: 6.

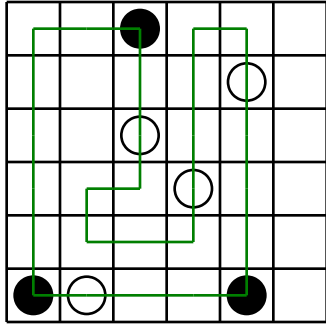
Write an equation to represent this:
The product of six and four is twenty-four.

How many inches are in 2 feet?
_____ inches

$11 \times 6 =$

Circle the relative adverb.
That's the park where I played baseball over the summer.

Name: _____

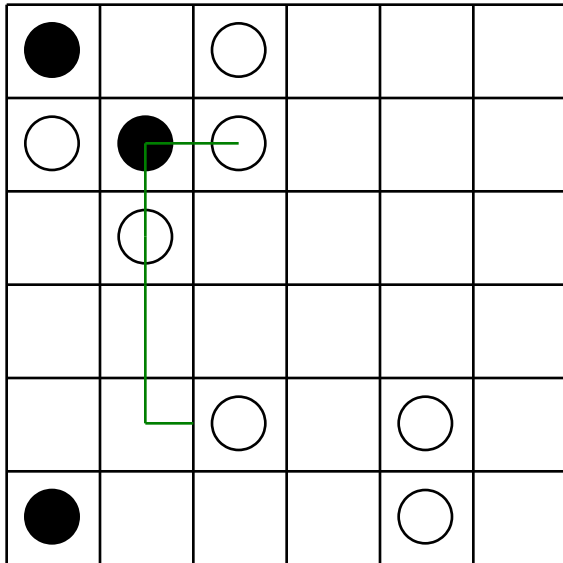


Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.

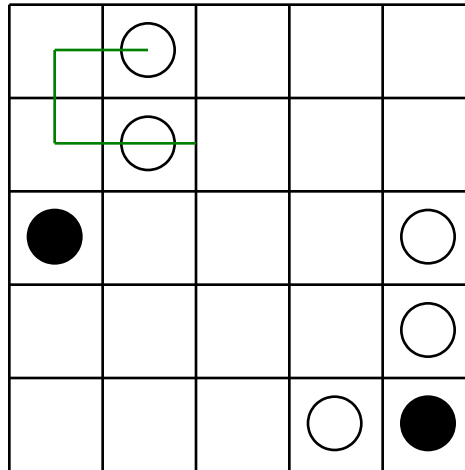
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

The puzzle on the left shows a correct line going through all the circles.

Finish the line:



Finish the line:



Which has the smallest answer?

371 x 360 376 x 360 362 x 360

Jenna has two favorite numbers. If you add her favorite numbers, you get 25. If you multiply her favorite numbers, you get 144. What are her mystery numbers?

$32 \div 4 =$

$5 \times 10 =$

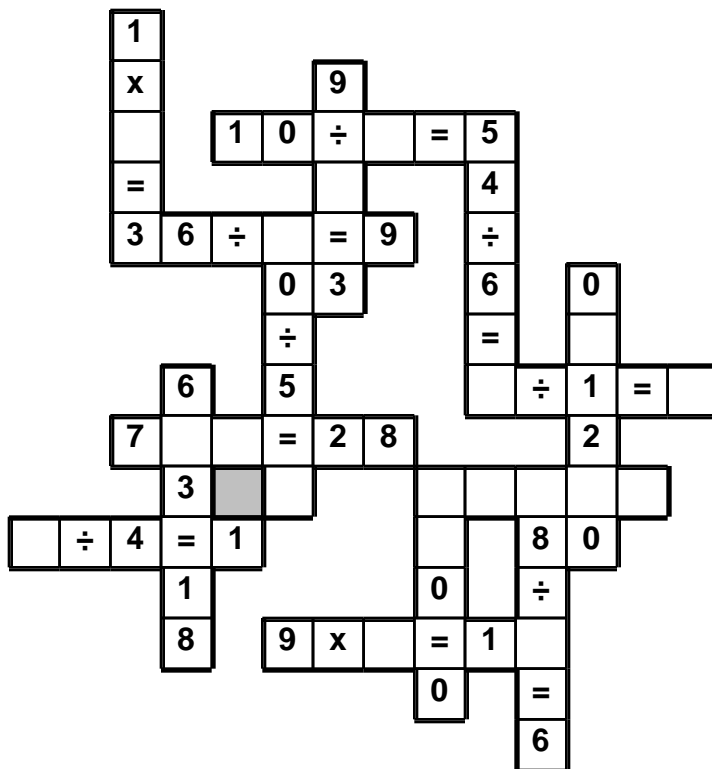
Circle the digit in the hundredths place.

24.531

Name: _____

3 • 2 • 3 • 4 • ÷ • 9 • 9 • x • 4 • 8 • 0 • ÷ • 4 • = • 0 • 4
x • 2 • 8

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



Seven kids and three adults are going to the circus. Kid's tickets are on sale for only half the price of adult tickets. The total cost is \$77. How much is one kids ticket? How much is one adult ticket?

What can you multiply by 8 to get 7?

Write 902,058 in words.

Circle the correctly spelled words.

stoup, stoop
conflict, konflikt
sugest, suggest

Name: _____

Matthew, Rebecca, Christian, Taylor, and Courtney are 32, 19, 25, 37, and 17 years old.

Find each person's age.

1. Courtney is younger than Rebecca.
2. Christian is older than seventeen years old.
3. Taylor is older than Matthew.
4. Christian is older than Rebecca and younger than Matthew.
5. Christian is older than Courtney and younger than Taylor.
6. Matthew is less than thirty-seven years old.

Matthew is _____ years old.

Rebecca is _____ years old.

Christian is _____ years old.

Taylor is _____ years old.

Courtney is _____ years old.

Can 278 be evenly divided by 9? Circle:

278 is NOT evenly divisible by 9

278 is evenly divisible by 9

$$88 \div 11 =$$

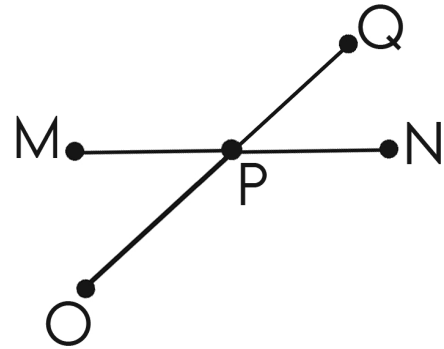
Name: _____

Name these figures as "line," "line segment," or "ray."



Write the number of line segments that are here. _____

Name the line segments.

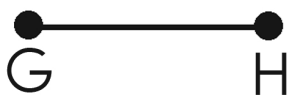


Use symbols and letters to label each.

Example:

This is line \overleftrightarrow{CD} or \overleftrightarrow{DC} .







Name: _____

In right triangle FGH, $\angle F$ is the right angle, and $\angle G$ is 20° more than $\angle H$.
What is the measure of all three angles?

In triangle BCD the degree measure of angle B is 33° more than the degree measure of C.
If the degree measure of D is 73° , what is the measure of all the angles in triangle BCD?

In triangle ABC the degree measure of angle A is 2° less than the degree measure of B.
If the degree measure of C is 68° , what is the measure of all the angles in triangle ABC?

Name: _____

$$4 : 9 = \underline{\quad} : 45$$

$$5 : 10 = \underline{\quad} : 30$$

$$84 : 40 = \underline{\quad} : 10$$

$$12 : \underline{\quad} = 24 : 46$$

$$2 : 7 = 8 : \underline{\quad}$$

Ava thinks her room is dull, so she is planning to paint her walls. The design she is sketching out on paper calls for five blue squares for every six orange triangles. If she did the math correctly, she would need to paint sixty-five blue squares. How many orange triangles will she need to paint?

Alex has a lot of animals on his farm. He has eight ducks, ten chickens, and nine dogs. What is the ratio of the number of dogs to the total number of animals?

Hannah and Rosa are trying to make ice cream. They are using different recipes. Hannah made 2 cups of ice cream with 3 tablespoons of granulated sugar. Rosa made the same amount of ice cream using 5 tablespoons of granulated sugar. "Mmmm. So good!" they both said at the same time. You won't believe this, but they decided to make more! They each made 4 cups of ice cream this time. How much sugar did they each use to make 4 cups of ice cream?

Write each ratio in simplest form.

$$28 : 16 : 12 = 7 : \underline{\quad} : 3$$

$$48 : 16 : 64 = \underline{\quad} : \underline{\quad} : 4$$

$$108 : 66 : 114 = \underline{\quad} : \underline{\quad} : \underline{\quad}$$

Hannah used _____ tablespoons of sugar.

Rosa used _____ tablespoons of sugar.

Name: _____

Draw a line from START to END.

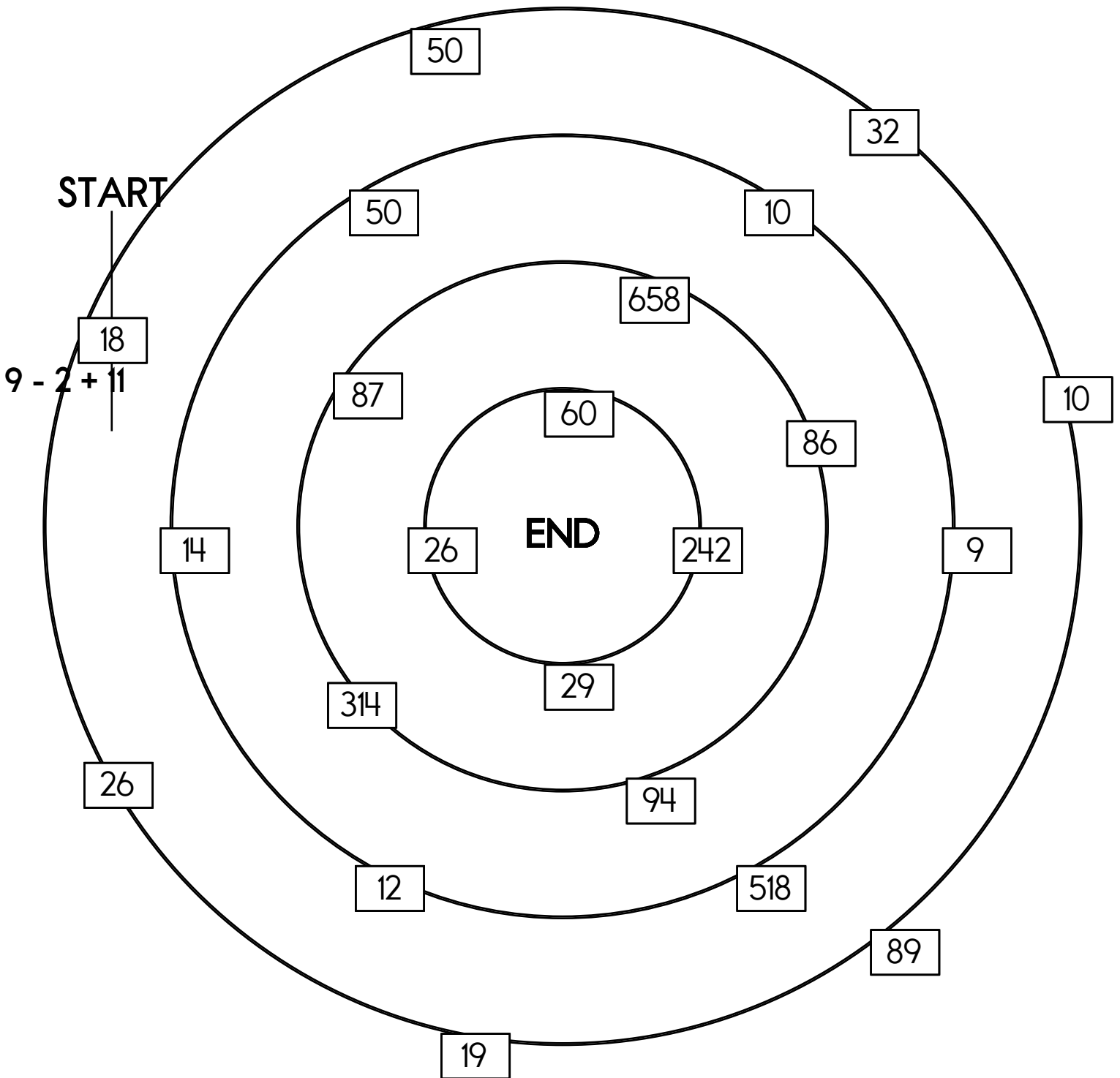
~~$9 - 2 + 11$~~

$6 \times 4 + 2$

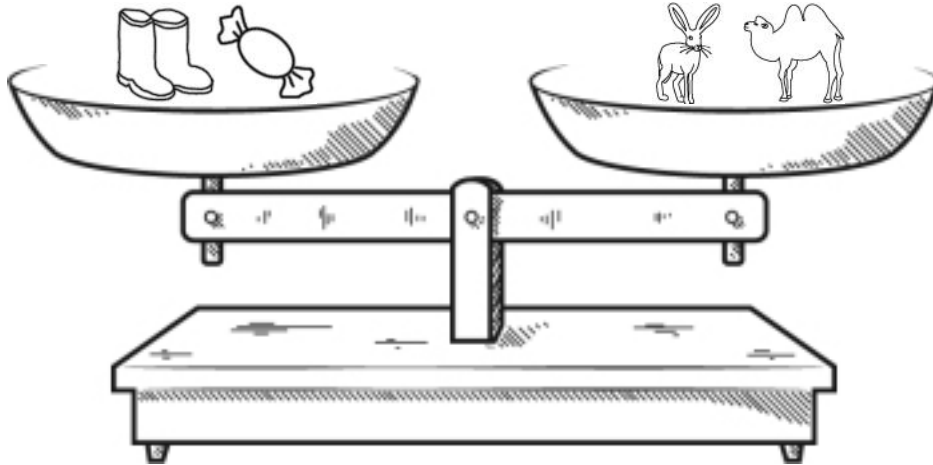
$5 + 1 + 3$

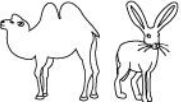

$8 \times 10 + 4 + 2$

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


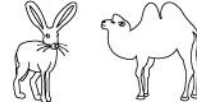


Name: _____

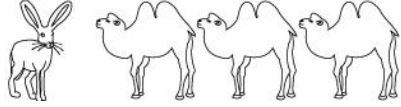
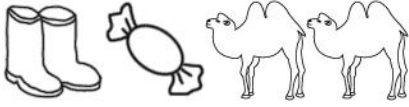


 = 



True False

 < 



True False

 = 



True False

 = 

True False

 = 

True False

 < 

True False

Did you find that two are true? If not, look again!
You should only mark TRUE if you are absolutely sure it is correct!

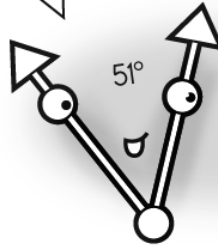
Name: _____

Complementary and Supplementary Angles

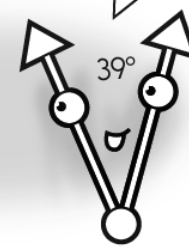
Thanks for the supplement!



I think you're lovely.



Thanks for the complement!

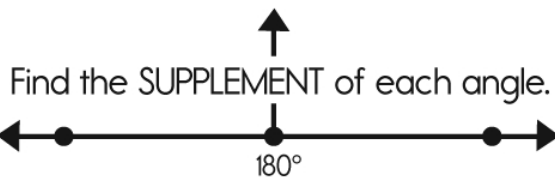


22° _____

10° _____

54° _____

71° _____



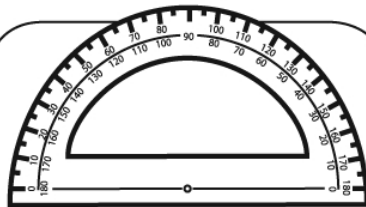
64° _____

102° _____

15° _____

175° _____

88° _____



Find something in the room that is at an angle. Draw it here.

estimate the angle

o

supplementary angle

o

complementary angle

o

Name: _____

Make up a situation where you might find these numbers in real life.

a. 66

b. 25,101

c. 5

d. 4,917

Jenna and Hannah are playing a new giveaway game. The game is in the shape of a circle. A light goes around the circle. When a player presses the button, the light stops. Players can win 1 ticket, 2 tickets, 3 tickets, 4 tickets, 5 tickets, 6 tickets, 7 tickets, or 8 tickets, depending on where the light stops. Jenna played one round, and then Hannah played a round. What is the probability that they both won more than 6 tickets?

Mega Multiplay World is a fun game to play with other people. In each world a maximum of 23 players can play at once.

a. How many worlds are needed if 98 people want to play?

b. How many worlds are needed if 378 people want to play?

There is a remainder of 3 when you divide 69 by 6.

Can you give three more examples of a number divided by 6 giving you a remainder of 3?

Name: _____

Cross off the number that does NOT belong.

48, 53, 58, 66, 74, 85, 96, 110, 124, 141, 158, 172, 178, 198, 221, 244, 270

Why does _____ not belong in the pattern?

Cross off the number that does NOT belong.

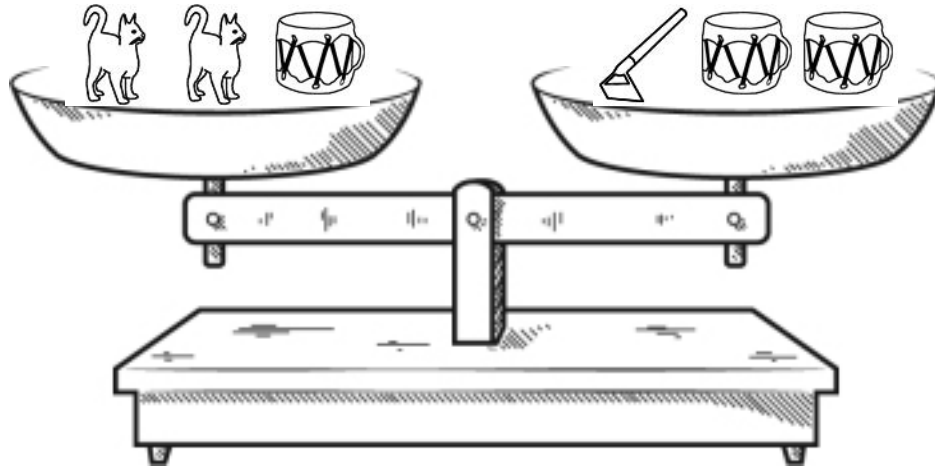
(38,443,359,375), (2,562,890,625), (170,859,375),

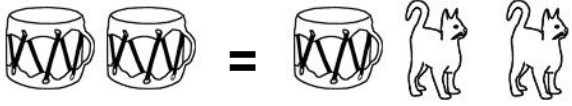
(11,390,625), (759,375), (103,163), (50,625),


(3,375), (225), (15)

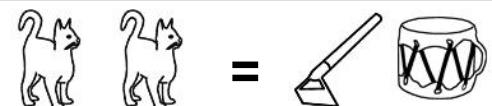
Why does _____ not belong in the pattern?


Name: _____

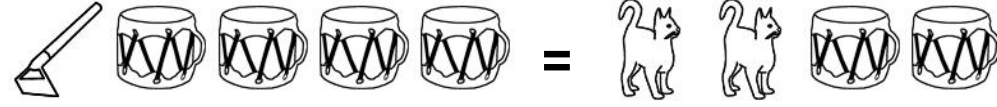


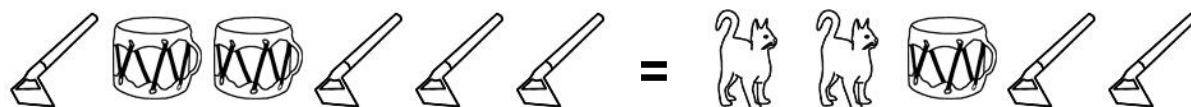
True
 
 False


True
 
 False

True
 
 False

True
 
 False

True
 
 False

True
 
 False

True
 
 False

Did you find that two 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: _____

Each row, column, and box must have the numbers 1 through 9.

				5	8	4		
		1		3		8		9
	3							
	4	3		1			6	8
9	5						1	
					2	3		
5				4	1	7		6
	8		5					
	7				3	5		

Find the difference
between 10.7 and 6.3.

$$0.46 + 1.4 =$$

$$\begin{array}{r} 0.4 \\ 0.8 \\ +0.6 \\ \hline \end{array}$$

$$3 \times 11 =$$

Put these adjectives in the correct order.
smelly, plastic, pink

Name: _____

Write the final part of each math analogy.

$$K + 8 = 86 : 78 :: W + 27 = 119 :$$

Explain why you think your answer is correct.

$$BFFBFFBFFBFF_ : B :: JJQJJQJJQJJQ_ :$$

Explain why you think your answer is correct.

$$16, 19, 22, _ : 25 :: 55, 58, 61, _ :$$

Explain why you think your answer is correct.

$$66 + 59 : \text{odd} :: 37 + 24 :$$

Explain why you think your answer is correct.

Name: _____

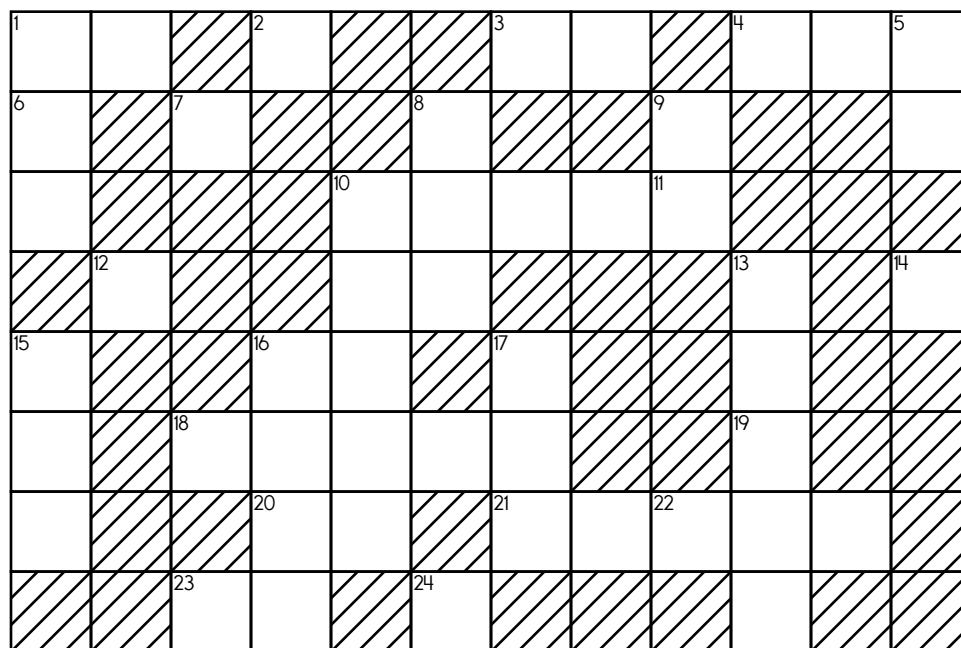
Name: _____

ACROSS

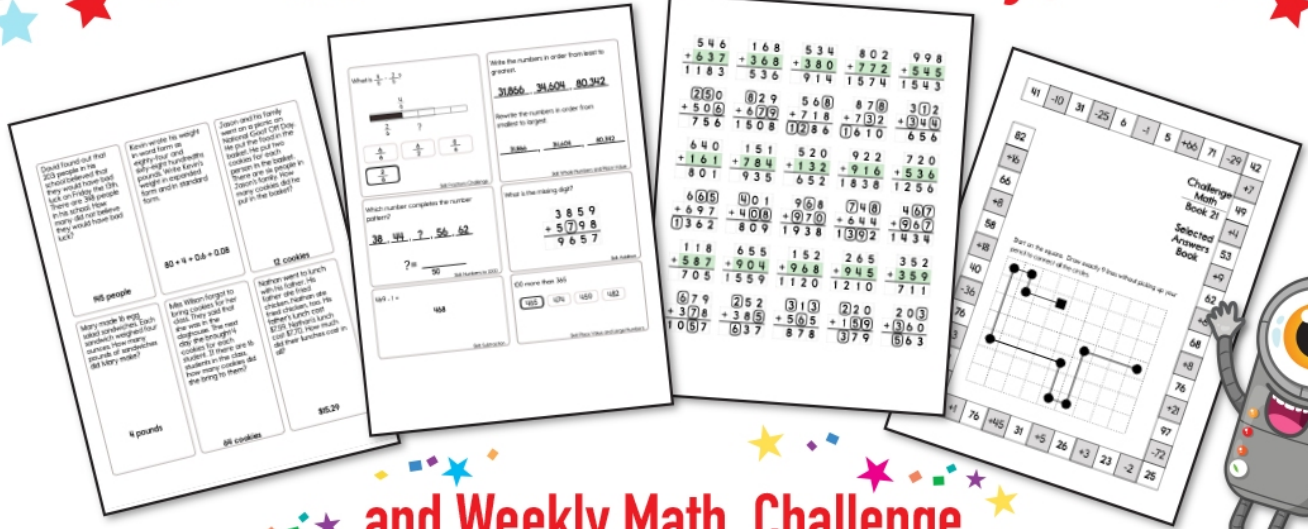
1. What is the greatest common factor of 5-Down and 6-Down?
3. Eight times 13-Across
4. Average of 13-Across and 8-Down
8. What is the greatest common factor of 19-Across and 23-Down?
9. How many factors does 56 have?
10. One less than 13-Down
12. 14-Down plus 23-Down
13. **5**
17. How many factors does 4 have?
18. the ten thousands in 21-Across + the ones in 24-Across + the tens in 10-Across
19. What is the greatest common factor of 20 and 44?
21. 10-Across plus 14-Down
24. What is the greatest common factor of 17-Across and 20-Down?

DOWN

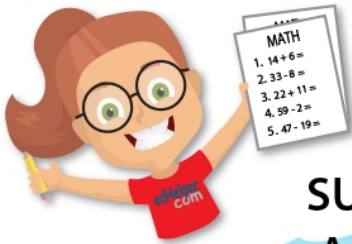
2. First prime number after 13-Across
5. What is the lowest common multiple of 19-Across and 24-Across?
6. Eight times 24-Across
7. Average of 17-Across and 13-Across
8. Nine times 20-Down
10. the ten thousands in 21-Across + the ones in 23-Down + the hundreds in 15-Down
11. How many factors does 20 have?
13. fifty-nine thousand, four hundred eighty-seven
14. How many factors does 9 have?
15. Six more than 8-Down
16. the ones in 24-Across + the tens in 20-Down + the thousands in 13-Down
17. Its digits total 11
20. Sum of digits of 13-Down
22. How many factors does 8 have?
23. First composite number after 13-Across



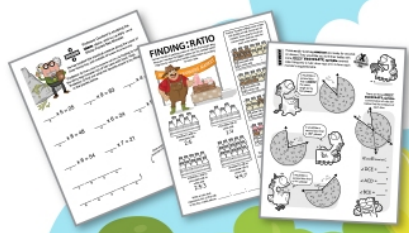
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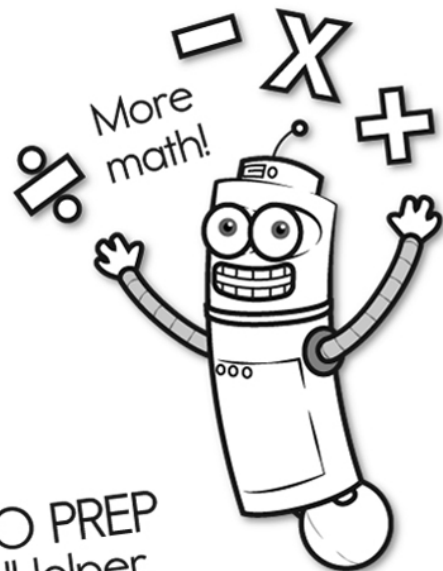
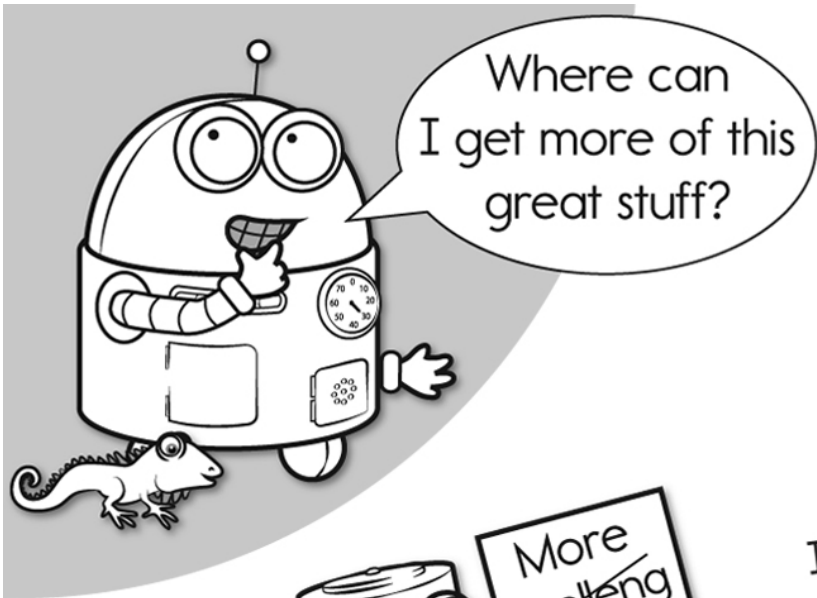
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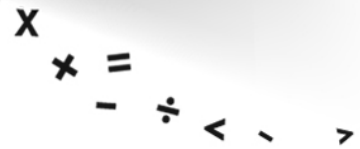
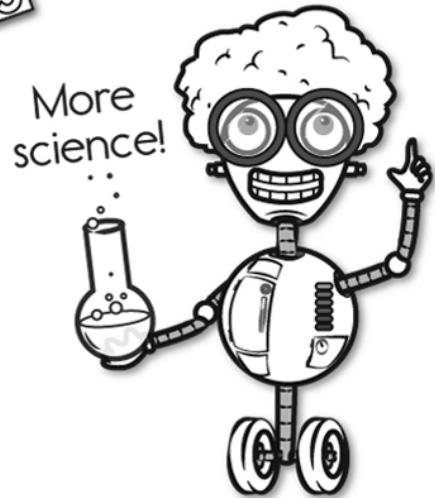
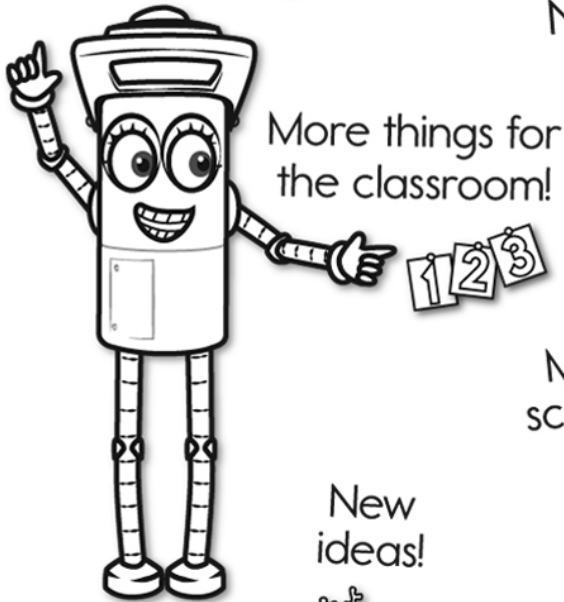


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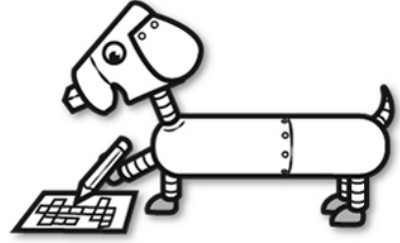


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