

Name: _____

Draw a line to match each problem with the same answer.

17% of 200



40% of 85

29% of 100



100% of 182

100% of 43



30% of 30

35% of 180



25% of 116

20% of 45



12% of 50

91% of 200



21% of 200

10% of 60



43% of 100

84% of 50



42% of 150

It was 83 degrees outside.
What would the
temperature be if it got 29
degrees colder?

The perimeter of a
rectangle is 20 cm. The
longer side is 8 cm. How
long is the shorter side?

$$(9 + 9) \times 4 - 7$$

40, 45, 50, 55, 60,
_____, 70, 75, 80, 85

Write the missing family
fact.

$$6 \times 14 = 84$$

$$84 \div 6 = 14$$

$$84 \div 14 = 6$$

12, 14, _____, 18, 20,
22, 24, 26

How much money is 1
quarter, 1 dime, 7 nickels,
and 1 penny?

A rectangle is 32 cm on
one side and 11 cm on
another side. What is the
perimeter?

It was 6 degrees below
zero in the morning. By
afternoon the temperature
rose 15 degrees. How
warm was it?

How many minutes is it
from 9:00 a.m. to 10:15 a.m.?

How much time is it from
9:00 a.m. to 10:45 a.m.?

How many centimeters in
2.8 meters?

Name: _____

Fill in the missing numbers.

Only rule - The same number CAN NOT be next to each other, in ANY direction.

Dark lines surround a block. Numbers to use in a block:

A block with 1 space has to be the number 1.

A block with 2 spaces must have the numbers 1 and 2.

A block with 3 spaces must have the numbers 1, 2, and 3.

A block with 4 spaces must have the numbers 1, 2, 3, and 4.

1	3	1	4	2	3	1
2	4	2		1	4	2
1	3				3	1

An entire block with 4 spaces is blank. Since the block is 4 spaces it uses the numbers 1-4.

1 4 3 2

2	4	1	3	2	4	1
1	3	2	4			
2	4	1	3	2		1
1	3	2	4	1	3	2

An entire block with 4 spaces is blank. Since the block is 4 spaces it uses the numbers 1-4.

2 4 1 3

$$0.86 + 5.2 + 0.3 =$$

Find the difference between 17.1 and 3.4.

What is the sum of 12.9 and 8.8?

F, H, J, L, N, P,
_____, T, V, X, Z

$$42 + n = 53$$

How many centimeters in 580.4 meters?

Name: _____

Fill in the missing numbers.

Only rule - The same number CAN NOT be next to each other, in ANY direction.

1	2		3		2		
	3	4	2	4		1	2
1	2		3	1	2		3

Hint - These numbers are missing:

4 1 4 3
1 1 3 4

1		1		3	4		2
3		3	4	1		3	4
	2		2		4		2

Hint - These numbers are missing:

1 1 3 1 2
2 1 4 2

	3	1		2	
2	4	2	3	1	3
1			4		4
	4	2	3		3

Hint - These numbers are missing:

2 1 4 3
4 2 1 1

3	4		4		4
		1	2	1	
4					
2	1	2	1	2	1

Hint - These numbers are missing:

3 2 3 3 4
2 3 4 3 1

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

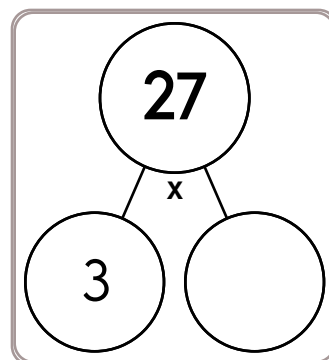
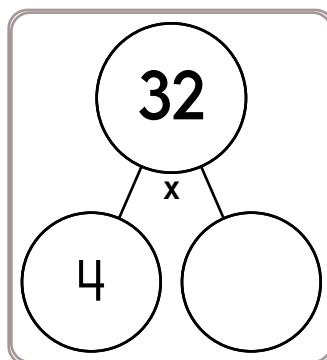
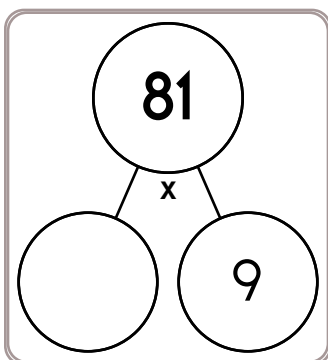
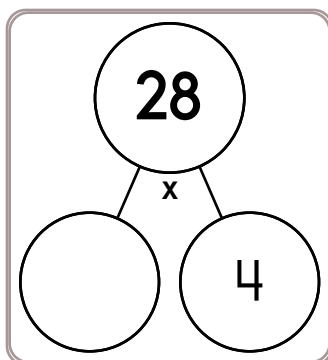
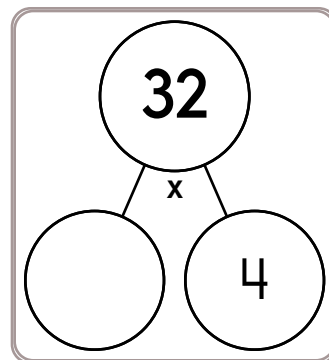
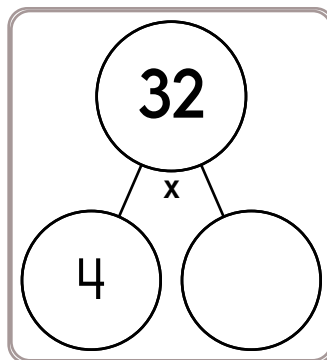
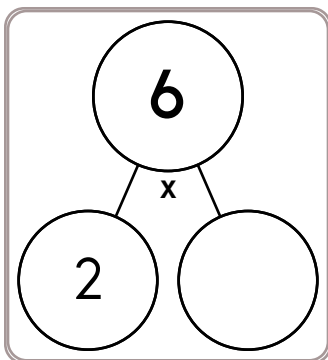
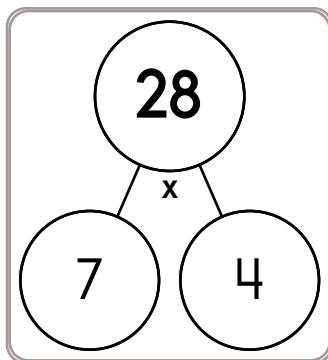
Round the decimal 0.735 to the nearest hundredth.

A, L, C, O, E, R, G, U,
_____, X

Name: _____

<p>Ava and Sarah are sisters. They saved their money and bought a cockatiel for \$46. The cage cost \$23.90. The perches, bird toys, and food and water dishes cost \$10.46. The food for the cockatiel cost \$2.87. How much money did they spend in all?</p>	<p>Jack is painting two stripes on the sleeves of his white t-shirt. He can use red, blue, yellow, or purple paint. How many different ways can he paint the stripes if the order is important?</p>	<p>Hunter is attending the World Eskimo-Indian Olympics. He can go to either the Blanket Toss or the Greased Pole Walk. He can choose either the qualifying rounds, the semifinals, or the finals of the events. He can buy only one ticket. How many choices does he have?</p>
<p>Dr. Toothsome, the TV dentist, said that 8 out of 10 dentists recommend Glistergreen. If that were true, how many dentists out of 130 would recommend Glistergreen?</p>	<p>The Easy to Go Company makes pasta dishes to go in TV dinners. They use fusilli, linguini, rotini, and spaghetti pastas. They add marinara sauce, meat sauce, or Alfredo sauce to the pastas. How many different combinations can they make?</p>	<p>Holly procrastinated studying until 5 minutes before the spelling test. As a result, she only spelled 2 out of 3 words correctly. There were 15 words on the test. How many did she spell correctly?</p>

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$$\underline{\hspace{1cm}} \div 2 = 8$$

$$8 \div \underline{\hspace{1cm}} = 4$$

$$48 \div \underline{\hspace{1cm}} = 12$$

$$\underline{\hspace{1cm}} \div 3 = 10$$

$$110 \div \underline{\hspace{1cm}} = 11$$

$$77 \div \underline{\hspace{1cm}} = 11$$

$$\underline{\hspace{1cm}} \div 3 = 8$$

$$\underline{\hspace{1cm}} \div 6 = 9$$

$$\underline{\hspace{1cm}} \div 3 = 6$$

$$\underline{\hspace{1cm}} \div 7 = 5$$

$$40 \div \underline{\hspace{1cm}} = 5$$

$$88 \div \underline{\hspace{1cm}} = 11$$

$$4 \overline{) 36}$$

$$4 \overline{) 24}$$

$$7 \overline{) 14}$$

$$12 \overline{) 72}$$

$$7 \overline{) 42}$$

$$8 \overline{) 48}$$

$$8 \overline{) 40}$$

$$7 \overline{) 84}$$

Name: _____

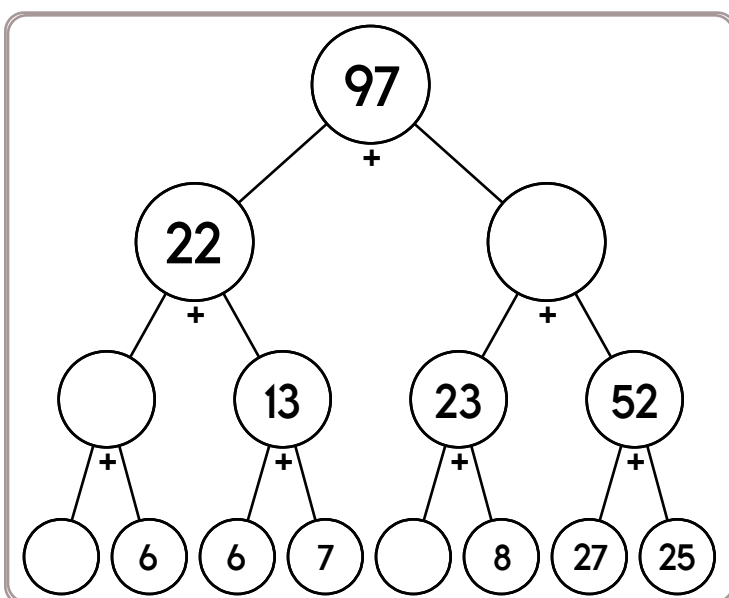
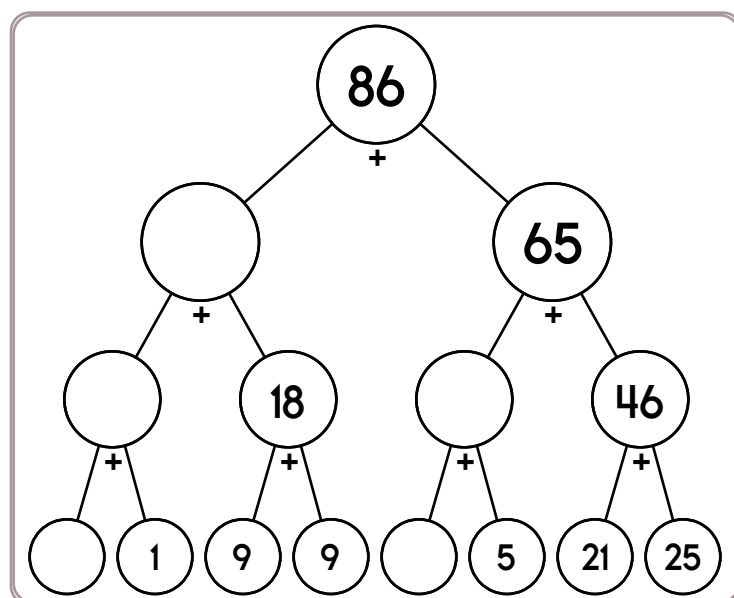
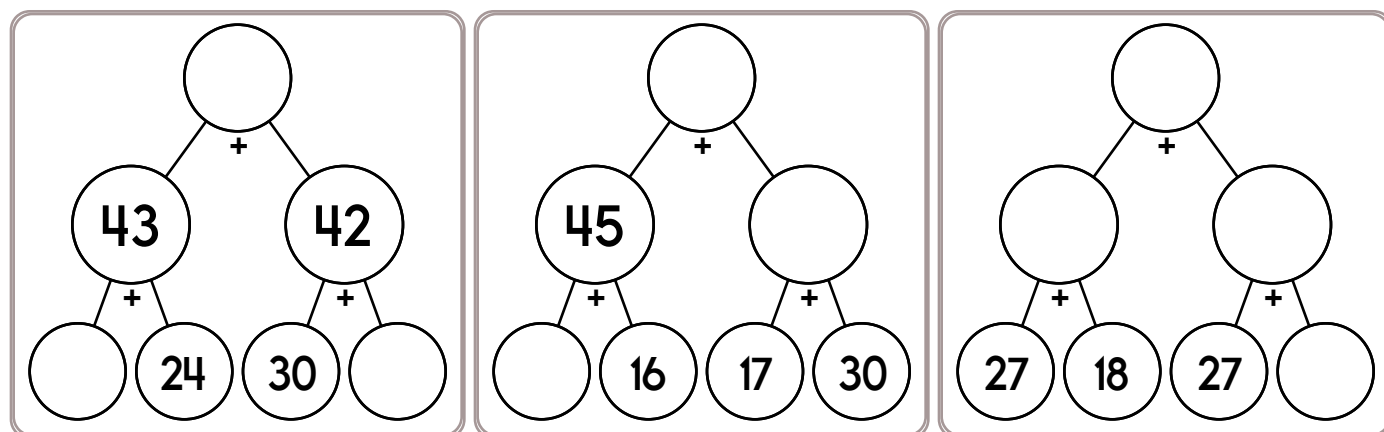
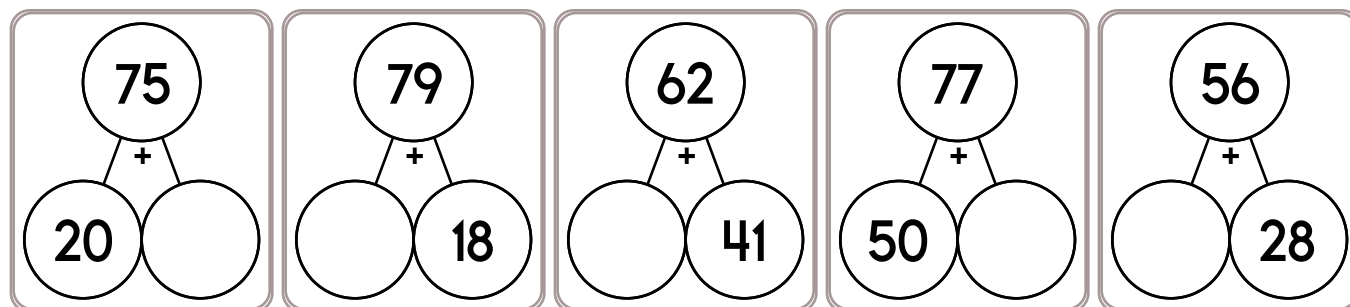
Peter likes to make different kinds of paper. He is making special pages for a blank book for his mother. She is going to write her memoirs in it. Each page is 8.5 inches wide and eleven inches long. What is the area of each page?

It takes 0.75 yards of silk to make 2 ties. How many yards of silk does it take to make 600 ties?

Amanda 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, 64% were dogs. How many pictures of dogs did they get this week?

Anna lives at the point $(-5, 16)$. She wants to go to the closest mall. There are two malls on the map. One is at $(-6, 6)$ and the other is at $(-3, 18)$. Which is closer to her?

Name: _____






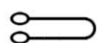




Sketch 2 lines \overleftrightarrow{FG} and \overleftrightarrow{VW} that are parallel.



What kind of angle is this?

Name: _____

Draw ONE continuous line that touches every box ONCE.
Count by 1.4s. Find the box with the number 4. Move up, down, right, or left.
Keep counting until you reach 117.4. Do not move into a spot with a picture.

---	---		---	---	---				---
	11	18	---	23.6	---	---	---	---	---
	9.6	---				41.8		---	---
	54	---		76.8	---	---	---	---	---
	4								
	---	---		---	---				
	---	---	---	---	---	65.6	---	---	---
	117.4			93.6		62.8	---		
114.6	---	---	---	92.2			60	---	

Mary rolls a die. What is the chance of her rolling a 6?

$$4,455 - 1,433 = \underline{\hspace{2cm}}$$

$$\begin{array}{r} 290 \\ + 237 \\ \hline \end{array}$$

$$11 \times 9 =$$

$$(8 + 3) + 8 =$$

$$\begin{array}{r} 454 \\ - 169 \\ \hline \end{array}$$

$$1 \text{ lb} = 16 \text{ oz}$$

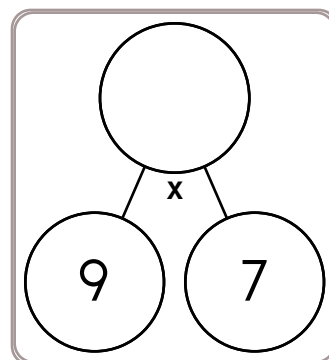
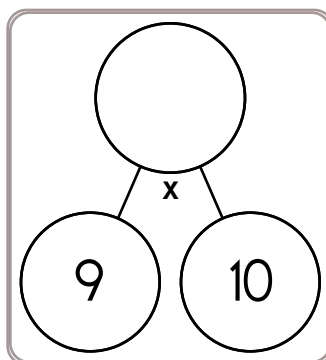
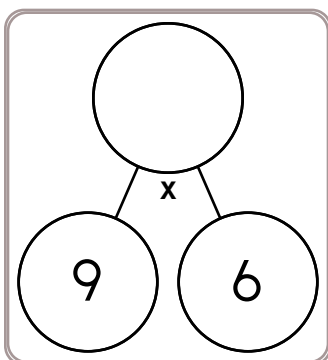
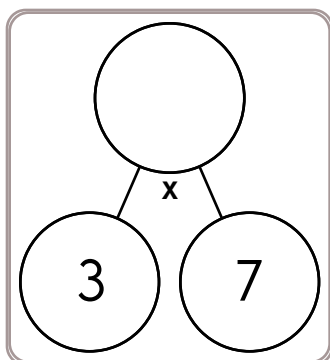
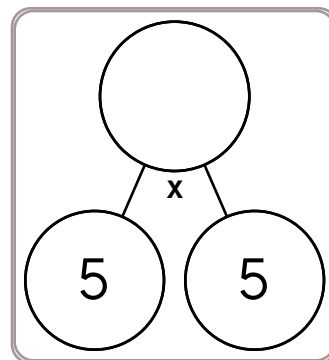
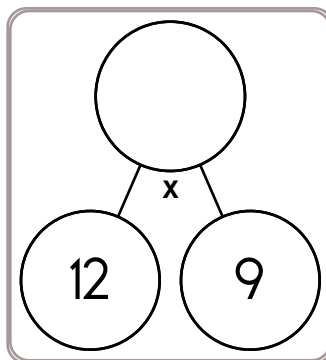
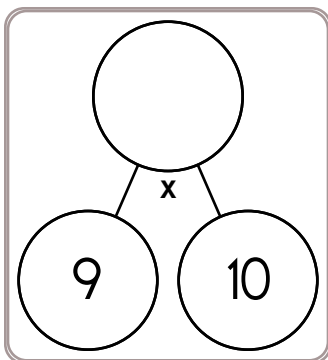
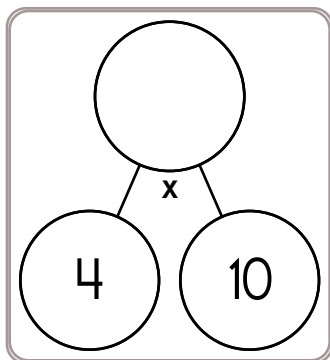
$$17 \text{ lb} = \underline{\hspace{2cm}} \text{ oz}$$

$$4 \times 7 =$$

$$10 \times 4 = \underline{\hspace{2cm}}$$



Name: _____



$$\begin{array}{r} 88 \\ - \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ - \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ - \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ - \quad 8 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ - \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ - \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ - \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ - \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ - \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 61 \\ - \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 91 \\ - \quad 8 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ - \quad 2 \\ \hline \end{array}$$



$6 \times 8 =$

$3 \times 6 =$

$3 \times 4 =$

$10 \times 6 =$

$7 \times 8 =$

$12 \times 5 =$

$4 \times 7 =$

$11 \times 5 =$

$8 \times 9 =$

$4 \times 5 =$

$7 \times 3 =$

$11 \times 3 =$

Name: _____

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$$0.7 \times 0.3$$

Rewrite $\frac{13}{25}$ as a decimal.

$$0.8 (0.7 (0.8 \times 8)) =$$

The angles in a quadrilateral measure 95° , 97° , 71° , and s° . What is the value of s ?

Crazy Peter had pizza 13 days in the month of January. What percent of the month did he have pizza?

What is the remainder of 117 divided by 14?

$$|-5| + x = -2$$

$$x =$$

In what quadrant would you find the point $(-7, 1)$?

Circle the percentage that is closest to 21 out of 76:

12%

58%

88%

$$(3 + 13) + 6 = 2(v + 9)$$

What is the value of v ?

$$\frac{2}{6} \div \frac{2}{12} =$$

$$5 \times 5 = x^2$$

What is the value of x ?

Name: _____

Complete each pattern. Write what the rule is.

60	55	50
45	40	
30		20
15		5


Complete each pattern. Write what the rule is.

9, 13, _____, 27, 37, 49, 63, 79, 97, 117, 139

18, _____, _____, 36, 46, _____, _____, 88, 106, 126, 148, 172, 198

Name: _____

<p>According to the polar bear census taken in the Alaskan Native Wildlife Refuge, there were 35 polar bears born last month. Of that number, 21 were female and the rest were male. What is the ratio of females to males? (Express your answer as a fraction in lowest terms.)</p>	<p>Max was in charge of making signs to put up around the park showing people where the Dressed Up Pet Parade would be. The materials for each sign cost \$1.29. If Max made twenty-eight signs, how much money did he spend?</p>	<p>Mr. and Mrs. Young are flying to Madagascar to visit their cousins. They have to be at the airport by 7:24 a.m. It will take them 42 minutes to drive there. It is 4:22 a.m. now. How long do they have before they must leave for the airport?</p>
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<p>If you divide 87 by 5, you get a remainder of 2. Make up three other different equations where you divide by 5 and get a remainder of 2.</p>	<p>$45 \div 5 = \underline{\hspace{2cm}}$</p>	<p>$\begin{array}{r} 53 \\ - 10 \\ \hline \end{array}$</p>
	<p>$4 \div 2 = \underline{\hspace{2cm}}$</p>	
		

<p>For 2,785,964,175,556,698, write the digit that is in the hundred thousands place.</p> <p>_____</p>	<p>$25 \div 5 = \underline{\hspace{2cm}}$</p>	<p>27 kg = _____ g</p>
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<p>How many grams are in 7 kilograms?</p> <p>_____ grams</p>	<p>$20 \div 10 = \underline{\hspace{2cm}}$</p>	<p>$3 \times 7 = \underline{\hspace{2cm}}$</p>
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Name: _____

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

C	R		S	H	D			D	D
P	P		M	R		R	C		
R	R	T	D			O		S	T
		T		N	N	U	N	M	S
V	C	H	C		T	G	T		D
	T				Y	H	R	S	
D			S	N		H		S	F
	C	D		T	T		L	S	F
D		T		T	P		C	T	
D	D	W	N	R	M		L	D	R

ROUGH • CENTRAL • HEAD • DISMISS
DAINTY • DIFFER • PRACTICE
PROVIDE • CRASH • MILD • ANOINT
DECISION • PACT

Circle the greatest number:

594,167,803

2,319

7,560,842

486,712,039,501

$88 \div 8 =$ _____



Emily and Hannah are playing a number game.
Emily says 3. Hannah replies that the answer is 6.
Emily says 6. Hannah replies that the answer is 9.
Emily says 9. Hannah replies that the answer is 12.
Emily says 19. Hannah replies that the answer is 22.
Emily says 5. Hannah is thinking. What number should Hannah reply with?

$$\begin{array}{r} 49 \\ + 47 \\ \hline \end{array}$$

Circle the smallest number:

329,101

85,476

78,296,543,067

106,945,723

$27 \div 9 =$ _____

$99 \div 11 =$ _____

Name: _____

In the number 515,209,138, the digit 0 is in what place?

$$7 \times 9 = \underline{\hspace{2cm}}$$

$$30 \div 3 = \underline{\hspace{2cm}}$$

$$6 \times 5 = \underline{\hspace{2cm}}$$

Write an equation to represent this:

The difference between eighteen and seven is eleven.

$$9 \times 9 = \underline{\hspace{2cm}}$$

$$4 \times 7 = \underline{\hspace{2cm}}$$

Mary took three numbers greater than 1 and multiplied them. One number was four and the other number was sixteen. Of course, she forgot the last number, but she remembered the product was 384. Is this possible?



$$936 + 571 = \underline{\hspace{2cm}}$$

Write the missing family fact.

$$113 - 45 = 68$$

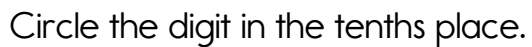
$$45 + 68 = 113$$

$$68 + 45 = 113$$

Jenna and Amanda are playing a number game. Jenna says 1. Amanda replies that the answer is 4. Jenna says 2. Amanda replies that the answer is 8. Jenna says 8. Amanda replies that the answer is 32. Jenna says 18. Amanda replies that the answer is 72. Jenna says 7. Amanda is thinking. What number should Amanda reply with?

$$36 \div 4 = \underline{\hspace{2cm}}$$

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


$$64 \div 8 = \underline{\hspace{2cm}}$$

Name: _____

Five leprechauns (Christina, Victoria, Megan, Ashley, and Madison) are each different heights (3 feet and 4 inches, 3 feet and 7 inches, 2 feet and 7 inches, 2 feet and 11 inches, and 2 feet and 2 inches).

Figure out how tall each leprechaun is.

1. Megan is not shorter than Victoria.
2. Victoria is taller than Ashley.
3. Victoria is not shorter than Christina.
4. Christina is shorter than Ashley.
5. Megan is taller than Ashley and taller than Christina.
6. Madison is the tallest leprechaun.

Christina is _____ tall.

Victoria is _____ tall.

Megan is _____ tall.

Ashley is _____ tall.

Madison is _____ tall.

$$50 \div 5 = \underline{\hspace{2cm}}$$

Write 5,483 in words.

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

one hundred eighty-eight thousand, six
hundred four

$$9 \times 7 = \underline{\hspace{2cm}}$$

$$8 \times 12 = \underline{\hspace{2cm}}$$

$$5,451 + 7,143 = \underline{\hspace{2cm}}$$



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$$\begin{array}{c} \bigcirc \\ \swarrow \quad \searrow \\ 8\frac{1}{3} \quad + \quad \bigcirc \\ \swarrow \quad \searrow \\ 1\frac{1}{9} \quad \bigcirc \end{array}$$

$$\begin{array}{c} \bigcirc \\ \swarrow \quad \searrow \\ \frac{2}{3} \quad + \quad \bigcirc \\ \swarrow \quad \searrow \\ \bigcirc \quad \frac{1}{6} \end{array}$$

$$\begin{array}{c} \bigcirc \\ \swarrow \quad \searrow \\ \bigcirc \quad + \quad \bigcirc \\ \swarrow \quad \searrow \\ \frac{1}{2} \quad \frac{1}{3} \end{array}$$

$$\begin{array}{c} \bigcirc \\ \swarrow \quad \searrow \\ \bigcirc \quad + \quad \bigcirc \\ \swarrow \quad \searrow \\ \frac{2}{3} \quad \frac{1}{2} \end{array}$$

$$\begin{array}{c} \bigcirc \\ \swarrow \quad \searrow \\ \bigcirc \quad + \quad \bigcirc \\ \swarrow \quad \searrow \\ \frac{2}{3} \quad \frac{1}{4} \end{array}$$

$$\begin{array}{c} \bigcirc \\ \swarrow \quad \searrow \\ \frac{13}{15} \quad + \quad \bigcirc \\ \swarrow \quad \searrow \\ \bigcirc \quad \frac{1}{5} \end{array}$$

$$\begin{array}{c} \bigcirc \\ \swarrow \quad \searrow \\ \frac{1}{2} \quad + \quad \bigcirc \\ \swarrow \quad \searrow \\ \frac{1}{6} \quad \bigcirc \end{array}$$

$$\begin{array}{c} \bigcirc \\ \swarrow \quad \searrow \\ \bigcirc \quad + \quad \bigcirc \\ \swarrow \quad \searrow \\ \frac{7}{9} \quad \frac{2}{3} \end{array}$$

Name: _____

3 is what % of 10?

Change to a percent.
2.09

Change to a percent.

$$\frac{1}{100}$$

$$\begin{array}{r} 985 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ \times 13 \\ \hline \end{array}$$

$$\begin{array}{r} 311 \\ \times 6 \\ \hline \end{array}$$

What is the least common multiple of 15 and 12?

What is the greatest common factor of 6 and 10?

What is the greatest common factor of 12, 30, and 21?

$$19 - \frac{2}{5} - \frac{1}{2} =$$

$$15 - \frac{3}{5} + \frac{4}{9} =$$

$$34 - \frac{1}{6} =$$

Write the reciprocal.

$$\frac{4}{9}$$

Write the reciprocal.

$$\frac{3}{1}$$

Write the reciprocal.

$$\frac{7}{10}$$

Name: _____

Express $\frac{7}{9}$ as a repeating decimal.

Mary is trying to learn decimals. She only knows fractions. She's known fractions since she was 3. Now she is trying to learn decimals. Help her convert $\frac{7}{10}$ to a decimal.

The area of a square is 73.96 square inches. What is its perimeter?

Name: _____

This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.

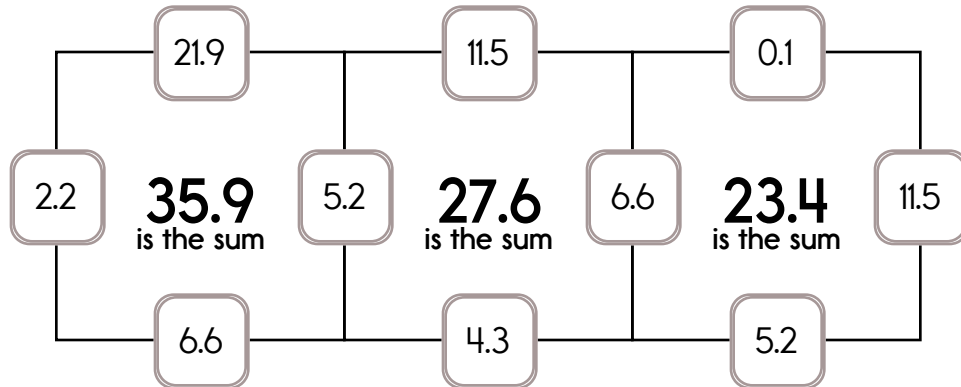
Example:

$$2.2 + 5.2 + 21.9 + 6.6 = 35.9$$

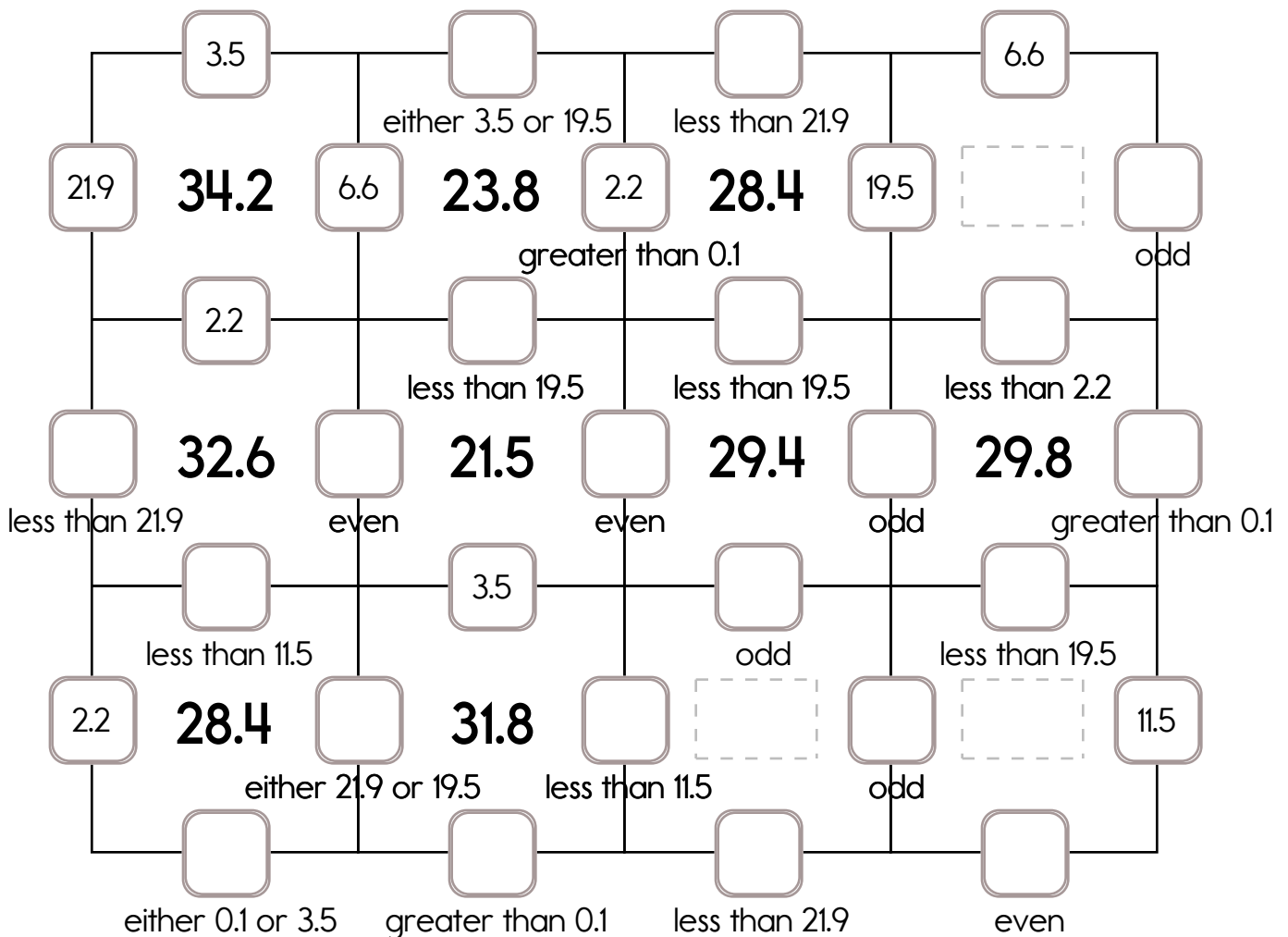
Example:

$$6.6 + 11.5 + 0.1 + 5.2 = 23.4$$

Sample:



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: 11.5, 19.5, or 21.9. The other three numbers have to all be **DIFFERENT** and must be from these: 5.2, 2.2, 3.5, 0.1, 6.6, or 4.3.



A 10x10 grid logic puzzle. The grid contains numbers and conditions. Some cells are empty, and some are dashed boxes. The conditions are as follows:

- Row 1: 1.5, even, odd, 8.9
- Row 2: 8.9, 26.6, 13.3, 18.5, 1.5, 26.6, 26.3
- Row 3: 2.9, even, 2.9, less than 4.9
- Row 4: even, 29.3, even, greater than 0.8, even, 34, less than 20.7
- Row 5: either 4.9 or 1.5, greater than 4.9, less than 20.7
- Row 6: either 13.3 or 1.5, either 20.7 or 8.9, even, even, even
- Row 7: less than 13.3, odd, either 2.9 or 8.9, either 1.5 or 8.9
- Row 8: greater than 1.5, greater than 1.5, either 8.9 or 13.3, greater than 2.9, less than 20.7
- Row 9: either 7.1 or 15.1, either 13.3 or 0.8, even, even, even
- Row 10: either 4.9 or 7.1, less than 15.1, even, less than 13.3, greater than 1.5

Name: _____

Add one set of parenthesis to each equation so that the equation is true.

$$(6 - 3) \div 3 = 1$$

$$8 + (11 - 7) = 12$$

$$8 - 3 + 5 = 10$$

$$8 - 3 + 5 = 0$$

$$6 + 8 \div 2 \times 9 = 63$$

$$6 + 8 \div 2 \times 9 = 42$$

$$2 \times 10 + 2 + 12 = 34$$

$$10 + 6 \div 4 - 2 = 2$$

$$5 \times 11 + 4 - 3 = 56$$

$$1 + 3 + 11 \times 2 = 26$$

$$7 + 7 \times 9 + 9 = 79$$

$$1 + 11 - 11 \div 11 = 11$$

$$9 \times 4 + 2 + 6 = 44$$

$$5 \times 7 - 11 + 12 = 36$$

$$1 + 5 + 4 \div 2 = 8$$

$$4 \times 11 + 8 - 8 = 44$$

$$11 \div 11 + 4 \times 5 = 21$$

$$4 + 7 - 2 + 5 = 14$$

Name: _____

$$22 \overline{) 814}$$

$$60 \overline{) 365}$$

$$18 \overline{) 252}$$

$$50 \overline{) 450}$$

$$10 \overline{) 40}$$

$$40 \overline{) 400}$$

$$12 \overline{) 259}$$

$$5 \overline{) 200}$$

$$4 \overline{) 52}$$

$$22 \overline{) 330}$$

$$18 \overline{) 1188}$$

$$7 \overline{) 127}$$

Use $>$, $<$, or $=$ to complete.

$$14\% \text{ — } \frac{1}{4}$$

$$\frac{3}{7} \text{ — } 42\%$$

$$\frac{1}{12} \text{ — } 79\%$$

$$3 + (56 \div 7) - 24 \div 8 =$$

$$t - 8 + t = 42$$

What is the value of t ?

If $z = -9$ and $t = 39$ then
what is $4z + 14t - 3t = ?$

Circle the percentage that
is closest to 34 out of 53:

40%

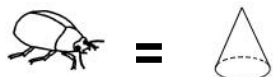
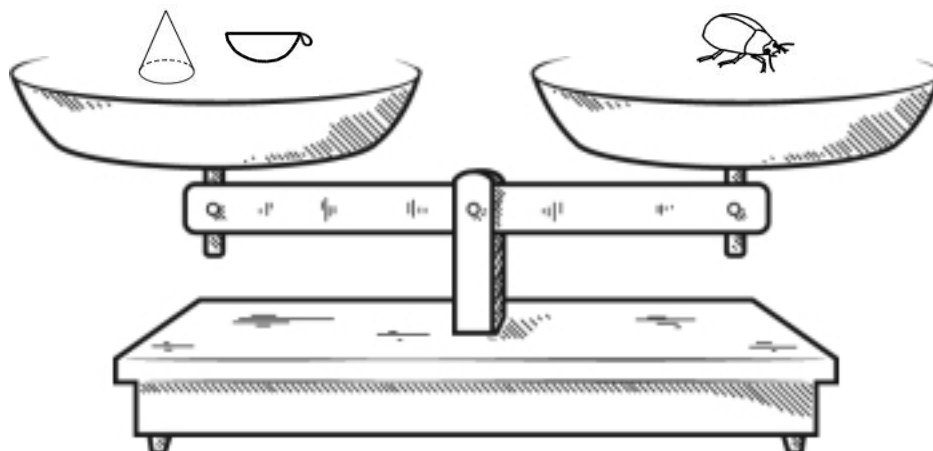
16%

64%

$$2.4851 \times 10^4 =$$



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: _____

		+		-		=	
	B		C		B		7
+	A		C		B		5
+	B		?		B		10
=							
	28		24		30		

Equations and Hints:

Each letter is a whole number.

Fill in the equations using the chart:

$$B + C - B = 7 \quad B + \underline{\quad} + B = 28 \quad \underline{\quad} + \underline{\quad} + \underline{\quad} = 30$$

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

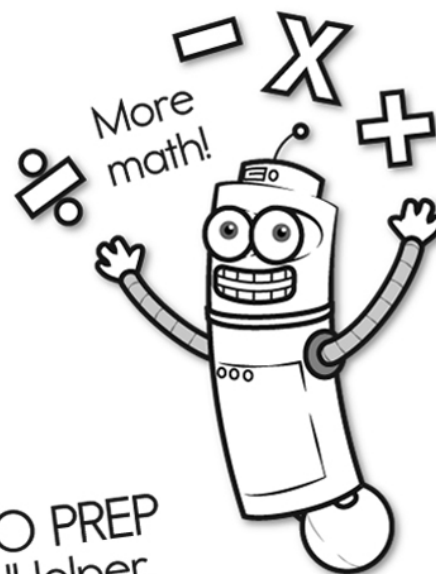
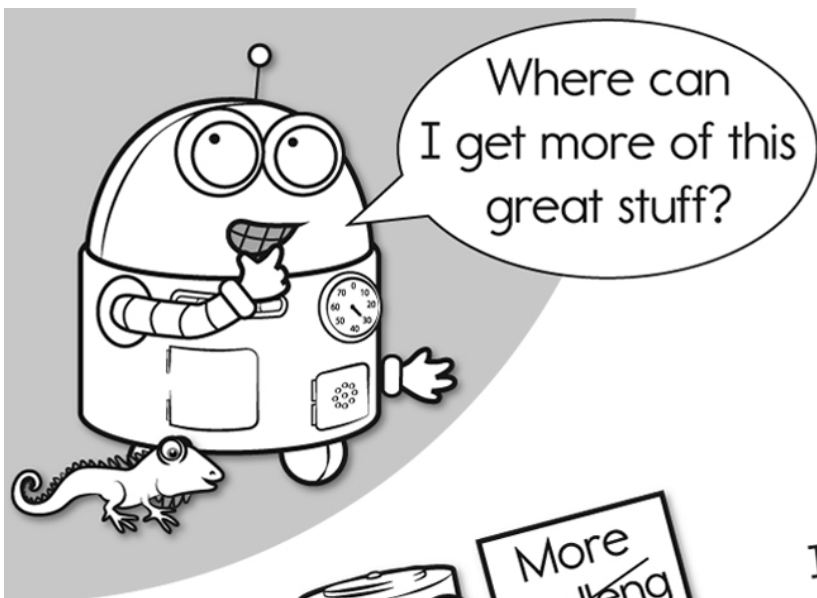
Additional hints:

$$A > 6 \quad B = C + 3$$

Show Work:

Solve:

$$? = \underline{\quad}$$

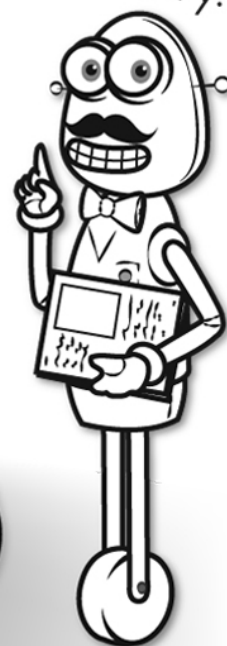


It's NO PREP at edHelper.

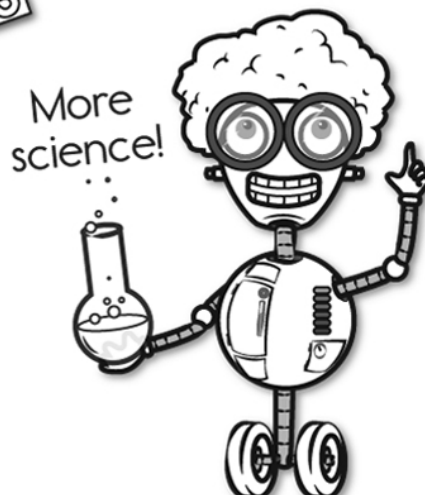
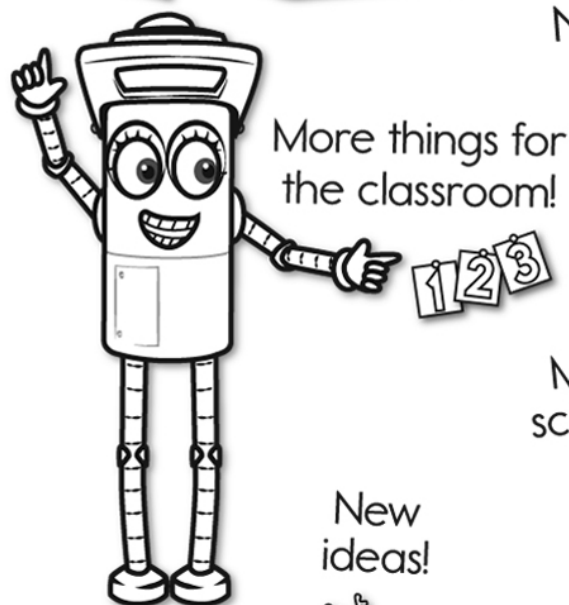
More history!



edHelper.com!



New online math games!



New ideas!



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

More puzzles!

