

Name: _____

Sally loves softball. She plays in a league where she has 3 games a week, not to mention 2 practices a week. Talk about exhausting!

So far this season, she has played 30 games. She's been to the plate 100 times. Of those 100 times, she's walked 15 times and had 20 hits.

"Hey, Sally," yells Sam. He is also known as Statistic Sam. "I'm trying to calculate your batting average. I just need to take the number of hits and divide that by your at bats."

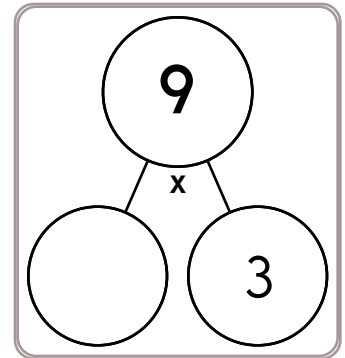
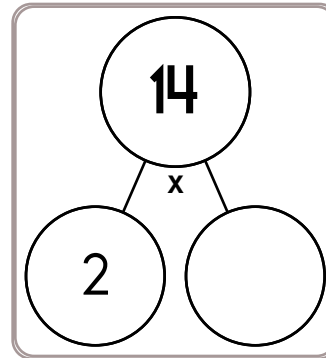
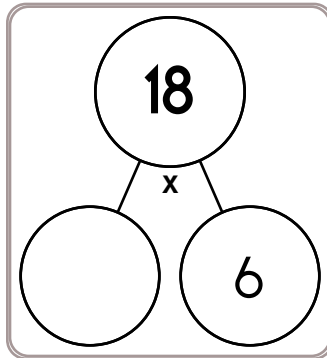
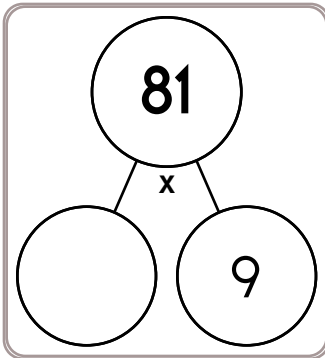
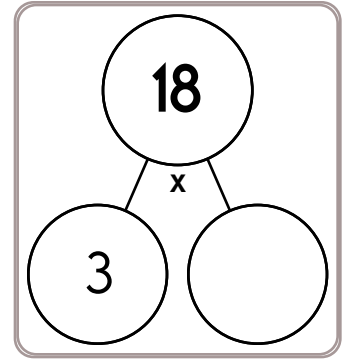
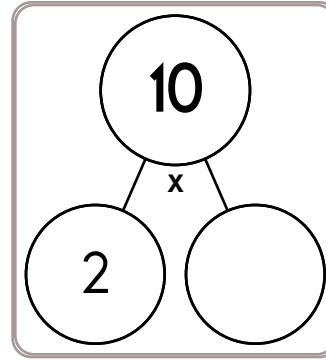
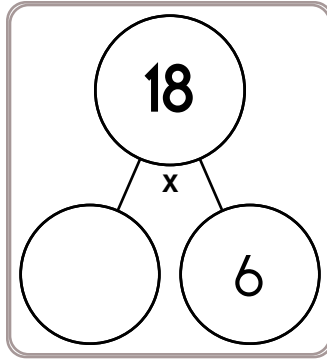
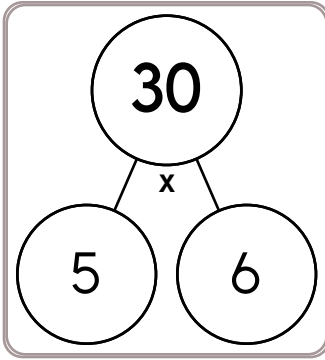
"Go for it," replies Sally. "Don't forget that walks don't count as at bats!"

"Huh? Oh, yeah, thanks!" replies Sam. He knows, for example, if she had 5 plate appearances with 1 walk and 1 hit, her average would be 1 for 4 or 0.250. In softball (and baseball) they always show an average with 3 decimal points.

What's Sally's batting average?

During the game, Sally went to the plate 5 times. Wow! She didn't walk, but she had 2 singles. Will her average go up or down after this game?

Name: _____



$156 \div 26 =$

$24 \div 12 =$

$405 \div 45 =$

$312 \div 39 =$

$100 \div 25 =$

$96 \div 6 =$

$198 \div 2 =$

$192 \div 2 =$

$13 \overline{) 52}$

$25 \overline{) 175}$

$44 \overline{) 176}$

$78 \overline{) 312}$

Name: _____

Mrs. Lee made $\frac{1}{2}$ of a gallon of mudbug stew for her dinner guests. Each serving of the stew is $\frac{2}{3}$ cup. How many guests can she serve with that amount of stew?

Amanda is painting around the edge of a craft item that she is making. It is a circular piece of wood on which she has painted some farm scenery. If she finishes painting around the edge in eight minutes and she paints at a speed of three inches per minute, what is the diameter of the circular piece of wood? Round your answer to the nearest tenth of an inch.

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 840 mph. How far will it go in 5 minutes? Round your answer to the nearest mile.

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

Four G dolls have 6 power points.

Six B dolls have 2 power points.

Name: _____



$___ \div 4 = 3$

$10 \div ___ = 5$

$64 \div ___ = 8$

$___ \div 8 = 7$

$___ \div 6 = 9$

$8 \div ___ = 4$

$___ \div 3 = 4$

$35 \div ___ = 5$

$___ \div 7 = 6$

$___ \div 2 = 6$

$42 \div ___ = 7$

$15 \div ___ = 5$



$119 \div 17 =$

$405 \div 9 =$

$196 \div 2 =$

$465 \div 93 =$

$639 \div 9 =$

$70 \div 2 =$

$588 \div 98 =$

$162 \div 6 =$

48

x

8

18

x

3

42

x

7

16

x

4

45

x

9

27

x

3

12

x

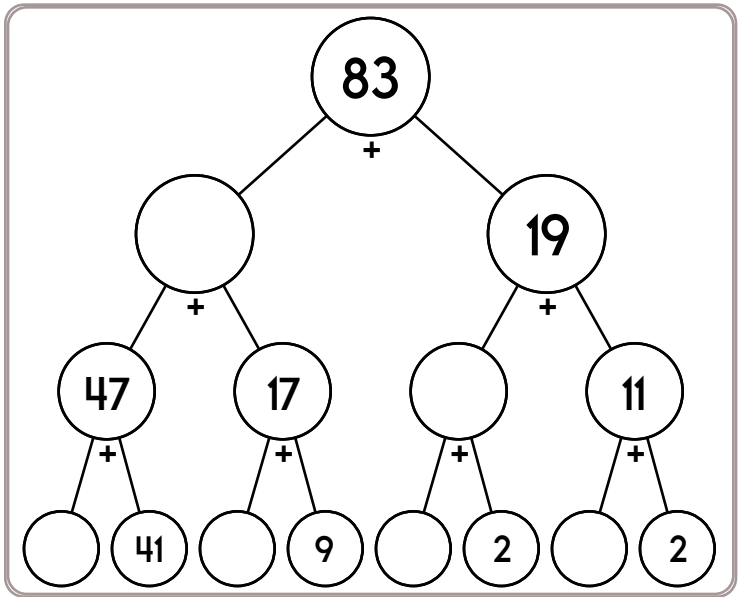
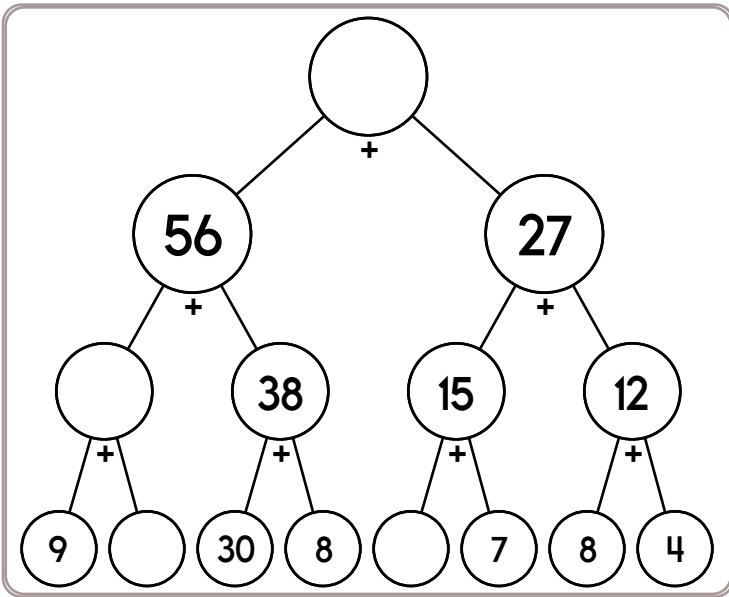
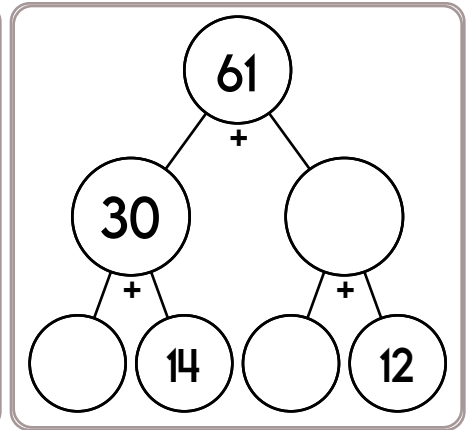
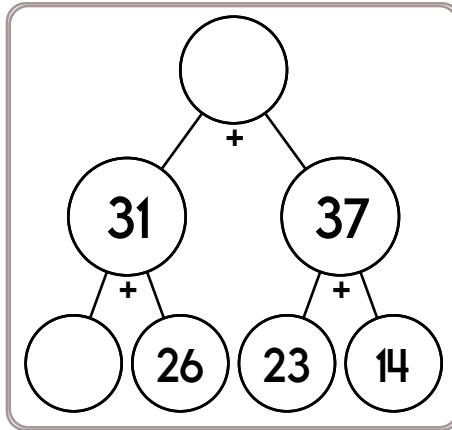
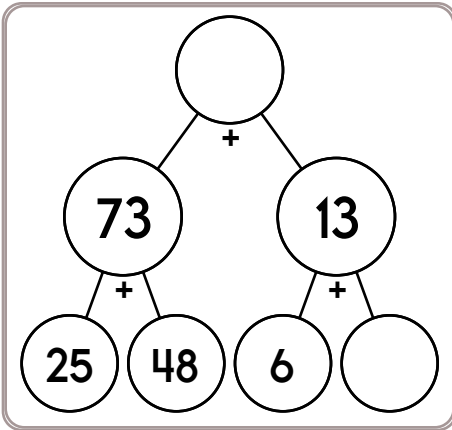
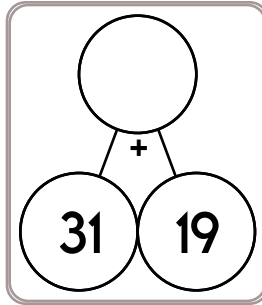
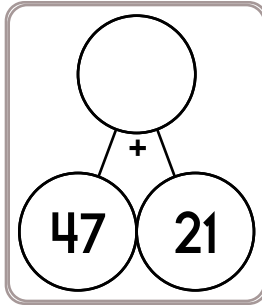
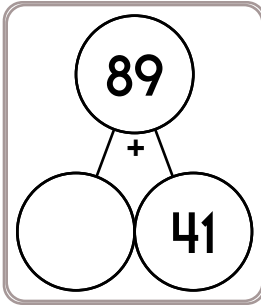
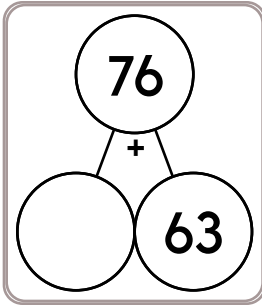
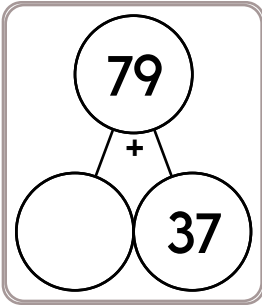
6

45

x

5

Name: _____



Write the reciprocal.
 $\frac{1}{3}$

Write the reciprocal.
 $\frac{11}{12}$

Write the reciprocal.
19

Name: _____

$17 - 13 = \underline{\quad}$

$17 + -13 = \underline{\quad}$

Rewrite $9 - 4$

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

Rewrite $14 + -9$

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

$t - 23 + 10 = 14$

What is the value of t ?

$t - 8 + t = 42$

What is the value of t ?

Simplify.

$$\frac{8,000}{12,000} =$$

If $d = -9$ and $p = 21$ then
what is the value of t ?

$8d + 10p - 3p = t$

If $p = 7$ and $c = -29$ then
what is the value of s ?

$7p + 15c - 2c = s$

$17.3875 \times 10^3 =$

Change to a percent.

6.7

Change to a percent.

$$\frac{545}{100}$$

Change to a fraction.

6%

If $2x = 34$, then $x =$ What is the greatest
common factor of the
numbers 112 and 56?What is the value of m ?

$6m + 17 - 3m = -2$

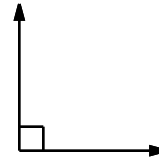
Name: _____

What is the area of a rectangle with sides 5 cm and 8 cm?

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

Estimate quickly the difference.
4,770 - 1,400

Sketch 2 lines \overleftrightarrow{KL} and \overleftrightarrow{VW} that are perpendicular.



What kind of angle is this?

What kind of angle has a measure of between 90° and 180° ?

An angle measures 22° .
What would you call this angle?

Sketch a right angle named $\angle BCD$.

If $a = 9$ and $c = -11$ then what is the value of w ?
 $12a - 15c - 4c = w$

Simplify.

$$\frac{10}{20} =$$

In what quadrant would you find the point $(-6, -5)$?

$$0.97 + 9.7 =$$

$$\begin{array}{r} 5.1 \\ - 2.71 \\ \hline \end{array}$$

Find the difference between 28.9 and 4.8.

Name: _____

What is the least common multiple of 5 and 9?

What is the least common multiple of 8 and 15?

What is the greatest common factor of 9 and 12?

What is the least common multiple of 11, 17, and 22?

$$x - 7 = 4$$

What is the least common multiple of 9 and 18?

$$9 + \underline{\quad} = 16$$

What is the missing number?

$$\underline{\quad} + 37 = 51$$

What is the missing number?

$$7 + m = 23$$

$$4 + x = 6$$

What is the value of x ?

$$x + 23 = 35$$

What is the value of x ?

What is the greatest common factor of 10, 15, and 20?

$$x + 33 = 43$$

What is the greatest common factor of 2 and 14?

Name: _____

Write the final part of each math analogy.

seven + nine : 16 :: six + eight :

Explain why you think your answer is correct.

71 ____ 73 : 72 :: 81 ____ 83 :

Explain why you think your answer is correct.

third, sixth, ____, twelfth : ninth :: ____, fourth, seventh, tenth :

Explain why you think your answer is correct.

17, 21, 25, 29, ____ : 33 :: 84, 88, 92, 96, ____ :

Explain why you think your answer is correct.

Name: _____

Holly and Anne are at the paint store. They want to paint 5 rooms in their house. Each room has 290 square feet of wall to be painted. "How much paint do you think we should get?" Holly asks Anne.

"This 1 gallon of paint says it should be enough to cover 190 square feet," replies Anne. How many gallons should they get? The store only sells whole gallons.

Justin lined up 9-inch long blocks next to each other. He had 22 of these blocks.

Now Billy wants to make the same length but use 11-inch blocks. How many 11-inch blocks will he need to use?

Bob, the donut guy, is working on a new type of donut called the 1.7-ounce sugar mini donut. Each donut weighs precisely 1.7 ounces. About $\frac{9}{20}$ of the donut consists of milk, yeast, flour, and eggs. The rest of the donut is sugar. Yum!

How many ounces of sugar is needed for each donut? Round your answer to the nearest tenth of an ounce.

Name: _____

Use mental math to quickly solve.

$0.466 \times 10 = \underline{\hspace{2cm}}$

$4.83 \times 10 = \underline{\hspace{2cm}}$

$2.1 \times \underline{\hspace{2cm}} = 2,100$

$63.2 \times \underline{\hspace{2cm}} = 6,320$

$95.7 \times \underline{\hspace{2cm}} = 9,570$

$4.62 \times \underline{\hspace{2cm}} = 46.2$

$0.482 \times \underline{\hspace{2cm}} = 4.82$

$80.6 \times \underline{\hspace{2cm}} = 8,060$

$545.1 \times \underline{\hspace{2cm}} = 54,510$

$\underline{\hspace{2cm}} \times 10 = 4.4$

$641.7 \times 100 = \underline{\hspace{2cm}}$

$5.55 \times 10 = \underline{\hspace{2cm}}$

$2.27 \times \underline{\hspace{2cm}} = 22.7$

$0.36 \times 10 = \underline{\hspace{2cm}}$

$$\begin{array}{r} 0.08 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6.03 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7.6 \\ \times \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 20.5 \\ \times \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6.03 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 1.42 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 8.53 \\ \times \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7.45 \\ \times \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 1.34 \\ \times \quad 6 \\ \hline \end{array}$$

Name: _____

x	30	6
40		
9		54

a. Complete the blanks in the chart for 36×49 .

b. Using the chart, solve:

$$36 \times 49 = \underline{\hspace{2cm}}$$

Peter brought a bucket of pennies, nickels, dimes, and quarters to class. He wrote instructions on task cards. On the first card he wrote, "Make 37 cents from 3 coins." On the second card he wrote, "Make 7 cents from 3 coins." He gave one card to Justin, and he gave the other card to Kevin.

Justin and Kevin figured out the coins to use and showed them. Apparently Kevin counted wrong because his card's task was not possible. Which card did he get and why?

Erin rode her bike to Amanda's house. Leaving her driveway, she turned left and rode about 2.5 kilometers where she turned left. Amanda's house was the fifth house on the right side of the road. It's getting late, and Erin needs to go home, but she has brain freeze. Write directions on how she should ride her bike home from Amanda's house.

Pam is writing a computer program. In her program she made a pattern where she repeatedly is assigning numbers to colors.

The pattern is:
orange, orange, blue, green, orange.

Her program starts assigning numbers to colors like this:

12 = orange, 13 = orange, 14 = blue,
15 = green, 16 = orange, 17 = orange,
18 = orange, 19 = blue, 20 = green,
21 = orange, 22 = orange, 23 = orange,
24 = blue, 25 = green, 26 = orange

The program keeps running through the numbers.

When it gets to 37, it prints 37 = orange,

followed by 38 = _____.

Name: _____

Maria and Megan each have a soccer game at 8 a.m. on different fields. Maria's soccer field is 101 yards long. Megan's soccer field is 340 feet long. Which field is longer and by how much?

Wendy thinks she has a headache, at least after trying to figure out the unknown number from the clues. All she was given is that when 28 is subtracted from the unknown number and then she divides that by 2, it gives the same value as when 47 is subtracted from the unknown number. What is the unknown number?

Use any of these digits. Cross off a digit after you use it. You do not need to use all of the numbers.

3**1****3****8****7**

The product of a 2-digit number and a 1-digit number is 54. Write the equation.

Name: _____

$81\frac{1}{4}$	$+\frac{1}{4}$		$+49$		-58		$+\frac{6}{9}$	
			-18		$+\frac{2}{4}$		$+25$	
$+3$		$-5\frac{2}{9}$						
					$+17$		$+\frac{1}{4}$	
$-\frac{2}{4}$		$+1\frac{7}{9}$	$111\frac{5}{9}$	-30			-6	$60\frac{35}{36}$

$39\frac{1}{3}$	$+42$				$+1\frac{1}{2}$		$+\frac{1}{3}$	
			$+8\frac{1}{2}$		$+\frac{1}{2}$			-15
	$+\frac{2}{3}$			$81\frac{1}{6}$			$+31$	$68\frac{1}{2}$
$-\frac{1}{3}$				-7		$-6\frac{1}{2}$		
	$+19$		-21				$+3$	96

$80 \div 8 = \underline{\hspace{2cm}}$
--

Name: _____

186 birds flew south on Wednesday, 152 flew south on Thursday and 362 on Friday. How many birds flew south during those three days?

Rose equally divided her marble collection into piles. Each pile had 25 marbles in it. If she had 325 marbles, how many piles were there?

Jacob was trying to figure out which was larger, $\frac{2}{3}$ or $\frac{3}{4}$. His friend Erin suggested he draw two equally sized rectangles and use those to figure it out. How would Jacob do it using Erin's suggestion?

At Middleton High, 55% of the students are interested in animatronics. What fraction of the student body is that?

Rose found the sum of the first 6 prime numbers and obtained a result of 29. What mistake did she most likely make?

The diameter of a U.S. quarter is about $\frac{15}{16}$ inches. If 26 of them were placed face-down, touching each other in a row, how long would the row be?

If $n = 9$ and $x = -12$ then what is the value of g ?
 $9n + 11x - 4x = g$

Rewrite $\frac{12}{25}$ as a decimal.

$0.1 (0.6 (0.1 \times 9)) =$

Name: _____

A particular pail has a capacity of 0.69 kg of sand. How many pails full of sand would it take to make a sandcastle containing 77 kg of sand?

Ms. Floop earned a 3% commission on every flower arrangement she sold. If she sold an arrangement for \$39.45, how much was her commission on the sale?

The Megalopolis Middle School # 411 cafeteria was recently retiled. Half the 12-inch by 12-inch tiles were blue and half were white. How many of each color were needed to cover the 35 by 100 foot floor?

Kevin wrote a report about Amelia Earhart's childhood. The report is 5 pages long. It took him $25 \times p$ (number of pages) minutes to write the paper. How many minutes did it take him to write the report?

Write an equation to represent this situation, and then solve it: Gavin paid his mom back \$49 of the total that he owed her, but he still owed her \$88. How much did his mom loan him?

Jacob reads very fast. Sometimes he isn't sure what he has read, he reads so fast. He can read 6.6 pages in 0.15 hours. How many pages can he read in 3 hours?

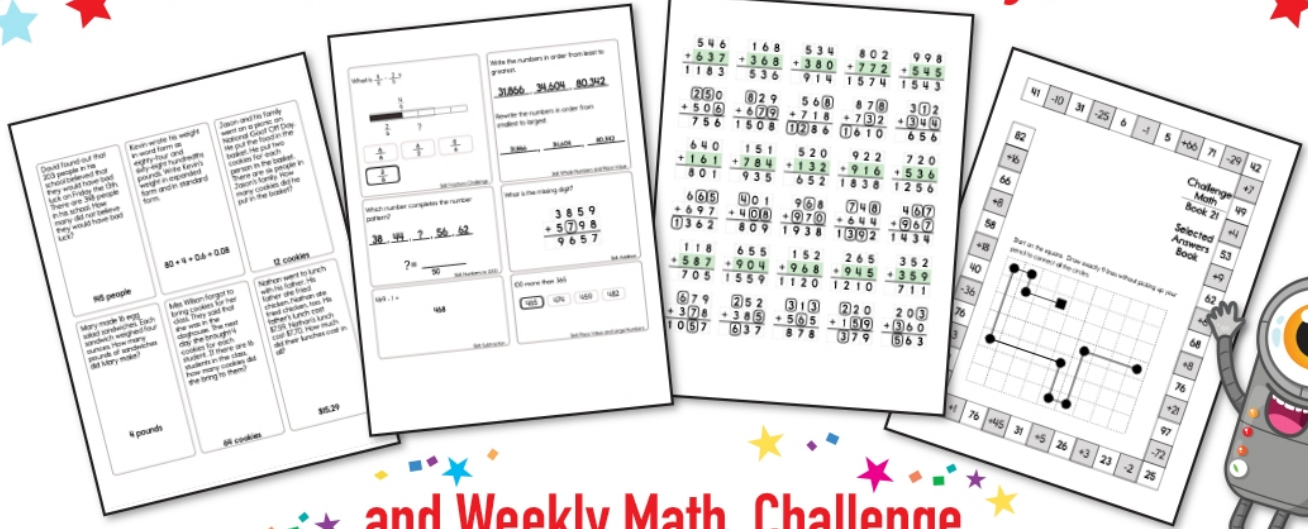
Simplify.

$$\frac{3,300}{4,400} =$$

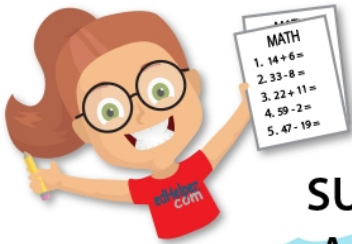
$$4 \times 63 \div 7 - 44 \div 11 =$$

Rewrite $\frac{99}{100}$ as a decimal.

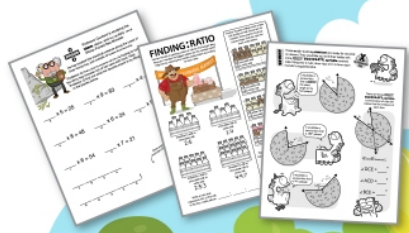
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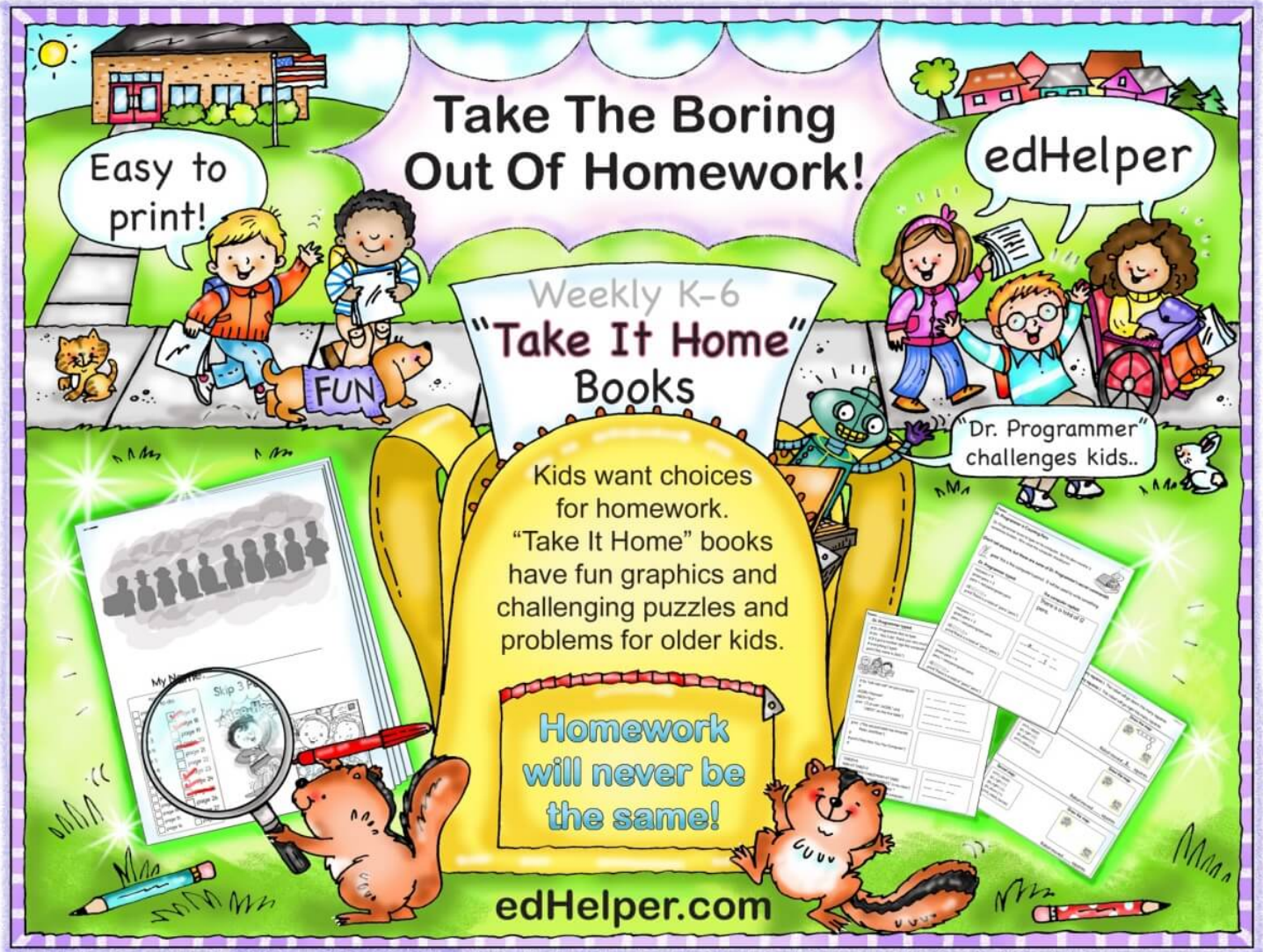


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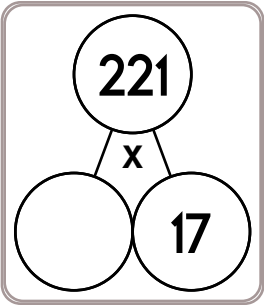
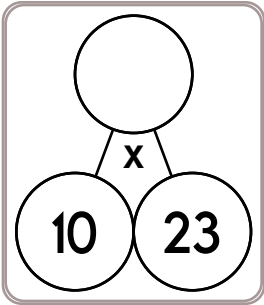
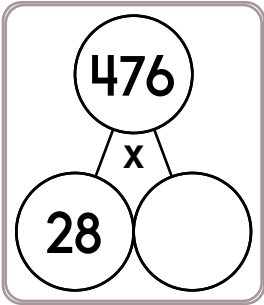
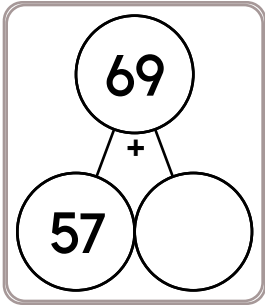
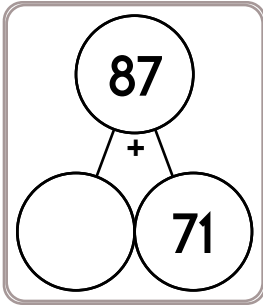
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Name: _____



Write the decimal number for:
seventy-one
ten-thousandths

Find 50% of 306.

Reduce $\frac{12}{26}$ to its lowest terms.

Change $\frac{1}{4}$ to a decimal.

$$\begin{array}{r} 578,148 \\ - \quad 1,278 \\ \hline \end{array}$$

Reduce $\frac{50}{80}$ to its lowest terms.

Change 8% to a decimal.

Change $\frac{4}{5}$ to a decimal.

Reduce $\frac{10}{20}$ to its lowest terms.

$$3 \div 3 + 5$$

$$10y - 26.9 = 43.1$$

























$$y =$$

$$|-10| + n = 15$$

$$n =$$

Name: _____

Puzzle:


					41
					42
10					33
					25
					34
27	33	40	41	34	+


Work Area:


					41
					42
10					33
					25
					34
27	33	40	41	34	+


The sum for each column and row is given.

 = _____

 = _____

 = _____

 = _____

 = _____

Find 50% of 292.

$$\begin{array}{r} 974 \\ - 98 \\ \hline \end{array}$$

Change $\frac{3}{4}$ to a decimal.

Reduce $\frac{36}{78}$ to its lowest terms.

Change $\frac{3}{12}$ to a decimal.

Write the decimal number for:
six ten-thousandths

Name: _____

What is the greatest common factor of the numbers 56 and 42?

Simplify.

$$\frac{42}{126} =$$

Simplify.

$$\frac{28}{49} =$$

$$|-75| + |62| =$$

If $z = -5$ and $t = 18$ then what is the value of x ?
 $8z - 10t + 2t = x$

$$\frac{1}{7} \div \frac{17}{21} =$$

6, 72, 76, 912, 916,

_____, 10996, __, __, __

$$9 + (48 \div 4) - 9 \div 3 =$$

Rewrite in scientific notation.

61,080,000,000

What is the remainder of 45 divided by 6?

$$9s - 22.2 = 53.4$$

$$s =$$

$$17.1199 \times 10^2 =$$

Name: _____

$$0.3 (0.4 (0.3 + 6)) =$$

$$|-9| - f = 14$$

$$f =$$

In what quadrant would you find the point $(-4, 8)$?

$$682 \div 10$$

Circle the percentage that is closest to 16 out of 72:

12%

84%

66%

84%

$$8 \times 8 - 3 + 5 + 11$$

Write as an algebraic expression.

366.3 divided by the difference of c and p

$$\frac{2}{3} + \frac{1}{v} = \frac{17}{21}$$

$$v =$$

The letter p is used to represent power points in a game. The points must be greater than 413 but less than 963. Express this as an inequality.

Rewrite as an algebraic expression or equation.

Add 15 to the product of 11 and c

What is the mode of the following number set?

64, 59, 60, 51, 61, 53, 50, 58, 66, 52, 55, 57, 67, 54, 62

$$\frac{g}{3} + \frac{3}{7} = \frac{16}{21}$$

$$g =$$

Name: _____

$$8 \overline{) 422.24}$$

$$5 \overline{) 3152.05}$$

$$4 \overline{) 24.808}$$

Find 6% of 155.

Change 10% to a decimal.

$$\begin{array}{r} 78,561 \\ - \quad 21 \\ \hline \end{array}$$

$$\begin{array}{r} 572 \\ + 56 \\ \hline \end{array}$$

Change $\frac{21}{100}$ to a percent.Write the decimal number for:
one hundredthReduce $\frac{9}{18}$ to its lowest terms.

$$\begin{array}{r} 32.7 \\ +977.569 \\ \hline \end{array}$$

Change 0.9 to a percent.

Name: _____

Complete each pattern, using the same rule. Write what the rule is.

Y, V, S, P, M, J, ____, ____, A

X, U, R, O, ____, I, F, ____

What is the rule for each pattern?

22, 3, 20, 10, 18, 17, 16, 24, 14, 31, _____, _____, 10, 45

4, 7, 7, _____, 10, 39, 13, 55, 16, 71, 19, 87

Complete each pattern, using the same rule. Write what the rule is.

3, 3, 6, 3, 3, 3, 6, 3, 3, 3, 3, 6, 3, 3,

3, 3, 3, 6, 3, 3, 3, 3, 3, 3, ____, ____, ____, ____

Name: _____

Make change. You can use \$20, \$10, \$5, \$1, 25¢, 10¢, 5¢, or 1¢.

Max has \$95.64. He has 8 bills and 10 coins. How?

	\$10			
--	------	--	--	--

--	--	--

	5¢								
--	----	--	--	--	--	--	--	--	--

Nathan has \$76.16. He has 6 bills and 14 coins. How?

Rose has \$28.14. She has 6 bills and 14 coins. How?

word root **femin** can mean **woman**

feminine, effeminate

Name: _____

Make change. You can use \$20, \$10, \$5, \$1, 25¢, 10¢, 5¢, or 1¢.

Make \$14.18 any way you want!

Make \$34.47 any way you want!

Make \$37.22 any way you want!

Make \$14.55 any way you want!

$$758 - 199 = \underline{\hspace{2cm}}$$

Name: _____

$$8 + \frac{1}{5} - \frac{7}{12} =$$

Write the reciprocal.

$$\frac{8}{16}$$

$$5 - \frac{1}{4} - \frac{6}{7} =$$

Write the reciprocal.

$$\frac{4}{1}$$

$$17 - \frac{3}{8} + \frac{1}{11} =$$

$$14 + \frac{5}{11} + \frac{1}{5} =$$

$$11 \times \frac{1}{2} =$$

Find the least common denominator.

$$\frac{4}{12} \text{ and } \frac{8}{11}$$

$$\begin{array}{r} 6\frac{7}{10} \\ - 4\frac{1}{2} \\ \hline \end{array}$$

$$39 - \frac{5}{8} =$$

Write the reciprocal.

$$\frac{1}{2}$$

Reduce $\frac{12}{45}$ to its lowest terms.Reduce $\frac{112}{144}$ to its lowest terms.Reduce $\frac{3}{6}$ to its lowest terms.Write the reciprocal.
6

Name: _____

$$6 - \frac{1}{2} - \frac{1}{2} =$$

$$8 + \frac{1}{5} + \frac{11}{12} =$$

Reduce $\frac{20}{40}$ to its lowest terms.

Write the reciprocal.

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

Write the reciprocal.

$$\frac{19}{1}$$

Write the reciprocal.

$$\frac{11}{6}$$

Write the reciprocal.

$$\frac{5}{6}$$

Write the reciprocal.

$$\frac{6}{14}$$

Write the reciprocal.

18

Write the reciprocal.

$$\frac{4}{1}$$

$$\frac{5}{12} \div \frac{4}{5} =$$

$$\frac{1}{2} \times 1\frac{1}{3} =$$

Name: _____

What's in the Box?

Read the words on the left then match the letters with the correct synonyms in the clues. Put the clues together and solve the mystery of what is in the box.

- A =ability
- C =bliss
- D =plunge
- E =awful
- I =despise
- L =slay
- M =alter
- N =create
- O =disclose
- P =hoist
- R =snuggle
- S =strict
- T =roam
- V =boast
- Y =sudden

Clue 1: cuddle reveal change talent invent stray hate joy
 r o _____

Clue 2: brag terrible cuddle stern terrible

Clue 3: kill talent joy terrible abrupt

Clue 4: cuddle terrible dive

Clue 5: lift talent lift terrible cuddle

What's in the Box? _____

$10 \times 10 = \underline{\hspace{2cm}}$	Emily rolls a die. What is the chance of her rolling a 3? _____	$\begin{array}{r} 368 \\ + 232 \\ \hline \end{array}$
---	--	---

$5 \times 4 =$	$\begin{array}{r} 34 \\ + 39 \\ \hline \end{array}$	Can 805 be evenly divided by 7? Circle: 805 is evenly divisible by 7 805 is NOT evenly divisible by 7
$\begin{array}{r} 45 \\ - 15 \\ \hline \end{array}$		

Name: _____

The Daily Donut, a bakery in Aberdeen, is making donuts for the Donut Day celebration. The owner estimated that each person at the celebration would eat $2\frac{1}{3}$ donuts. It is expected that 3,054 people will be at the celebration. How many donuts should The Daily Donut make?

Connor took pictures of all his living relatives, interviewed them, and made a book from the pictures and interviews. He spent some money on having 21 copies printed and \$72.15 to have the books mailed. He spent \$363.54 in all. What was the cost to print one book? Round off your answer to the nearest cent.

Give two answers for x in each equation.

$$|x + 19| = 24$$

$$|x - 9| = 17$$

How many centimeters in 7.9 meters?

A toy car can go 3 mph. How long would it take to go 7.5 miles?

It was 3 degrees above zero in the morning. By afternoon the temperature rose 23 degrees. How warm was it?

Name: _____

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

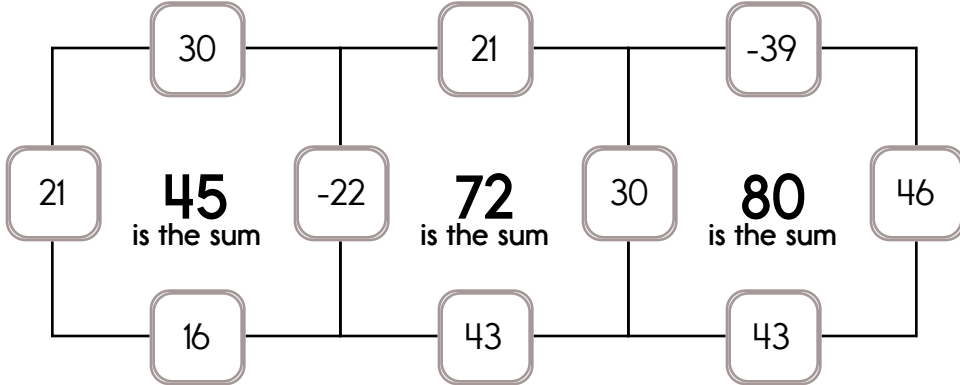
Example:

$$21 + (-22) + 30 + 16 = 45$$

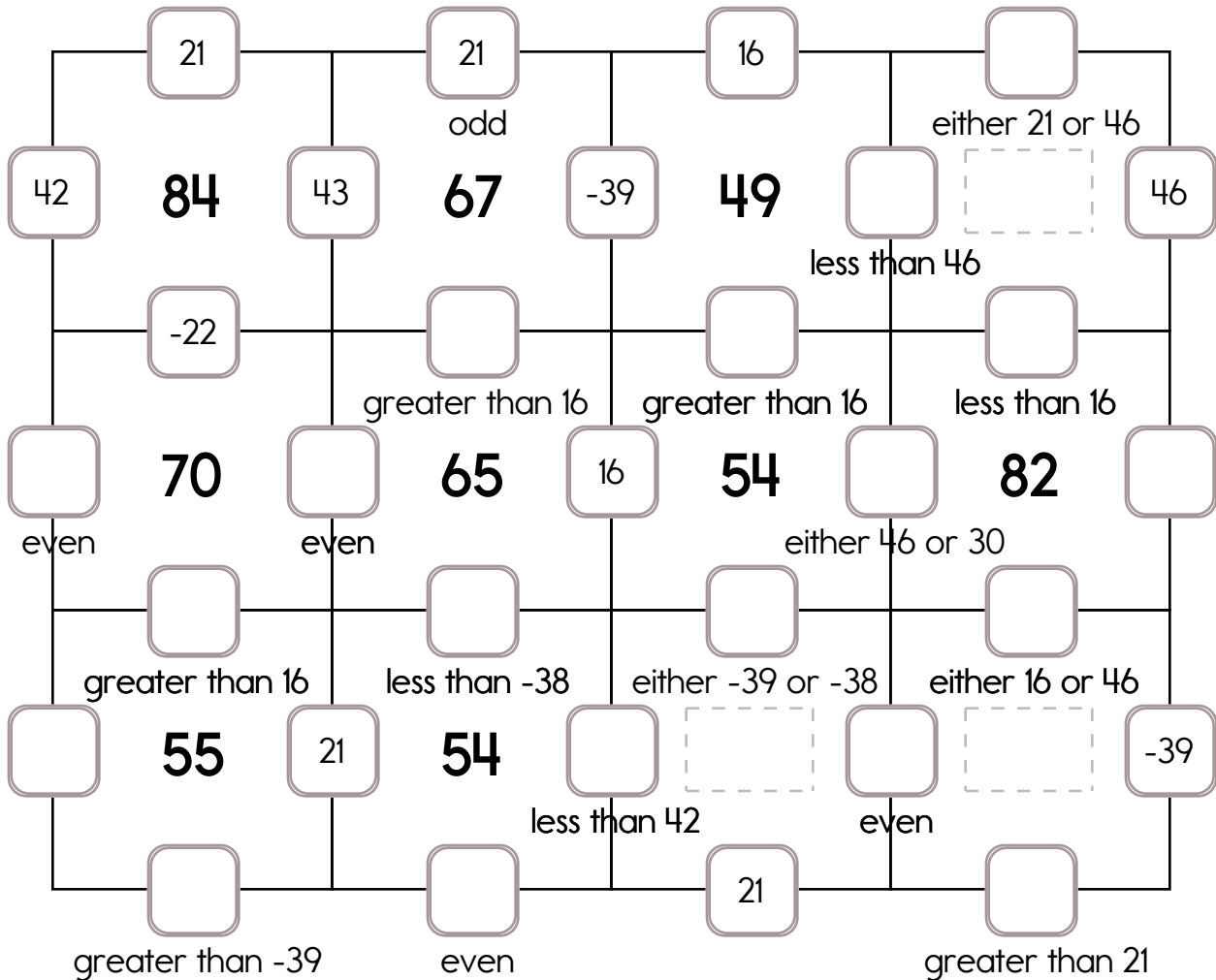
Example:

$$30 + 46 + (-39) + 43 = 80$$

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: -22, -38, or -39. The other three numbers have to all be DIFFERENT and must be from these: 21, 43, 42, 46, 16, or 30.



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: -39, -34, or -32. The other three numbers have to all be DIFFERENT and must be from these: 15, 31, 22, 11, 30, or 21.

	21		31		21			
22	34	-39	37	30	28		9	
			greater than 15		less than 30		less than 22	
	30		15					
				even		either -39 or -34		
	41		36				19	21
odd		greater than 11		odd		odd		
	even		either -32 or -39		even		either 30 or 22	
21	30		40		35		31	
		greater than -32			either -39 or -32		greater than 21	
	even		odd		less than 21		either 11 or 21	
	34		37		35		15	
odd					either -32 or -39			
	even		less than -32		less than 30		less than 31	
	41		28					
greater than 22		either 22 or 30	greater than 22					even
	odd		odd		either -32 or -34			

Name: _____

The cost of a grocery cart at Manufacturer's Warehouse is \$135 without a child seat and \$170 with a child seat. What is the ratio of the cost without a child seat to the cost with a child seat? Express your answer as a fraction in lowest terms.

Maria bought a box of dog biscuits for her dog Rex. The box was 11 inches long, 5 inches wide, and 3 inches high. What is the surface area of the box?

Which two of these numbers have a product of 26.24?

0.032

3.2

0.32

0.082

8.2

0.82

0.55


5.5

In each group, circle the number that has the greatest value, and put a square around the number that has the least value.

 6^4 6^3 6^5 8^3 8^1 8^4

Name: _____




= 126 meters



Circle the one at D,6.



Circle the one at A,2.



29 Summer Way



is at _____.

24 Summer Way



is at _____.

7 Mead Avenue



is at _____.

162 Homer Street



is at _____.

2 Mead Avenue



is at _____.

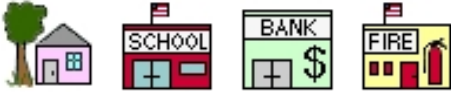
27 Summer Way



is at _____.



Name: _____



Circle the building that is located on Walter Street.





Which street has a restaurant?



Which street has a fire station?

Write the total distance to go from the school at 8 Mead Avenue  to the fire station at 3 Mead Avenue .

Write the total distance to go from the house at 162 Homer Street  to the fire station at 3 Mead Avenue .

Begin at the police station at 2 Mead Avenue. Walk the path to the road. The distance from your starting point to the road (the little path) is 36 meters. Go south on Mead Avenue. Your final destination is on the west side of Mead Avenue. You will have walked a total of 85 meters from your starting point (including the 36 meters path at the end of your walk). What is your final destination?

Write the total distance to go from the house at 470 Elliot Street  to the house at 470 Elliot Street .

Write the total distance to go from the house at 470 Elliot Street  to the house at 160 Homer Street .

Begin at the house at 27 Summer Way. Walk the path to the road. The distance from your starting point to the road (the little path) is 36 meters. Go north on Summer Way. Your final destination is on the west side of Summer Way. You will have walked a total of 79 meters from your starting point (including the 36 meters path at the end of your walk). What is your final destination?

Name: _____

$$8 + \frac{4}{11} + \frac{3}{5} =$$

Write the reciprocal.

$$\frac{4}{14}$$

Write the reciprocal.

$$\frac{2}{1}$$

Reduce $\frac{77}{126}$ to its lowest terms.

$$7 + \frac{7}{10} + \frac{1}{6} =$$

$$10 + \frac{1}{11} - \frac{4}{9} =$$

$$\begin{array}{r} \frac{2}{3} \\ - \frac{7}{11} \\ \hline \end{array}$$

$$\frac{2}{5} \times \frac{2}{3} =$$

$$3 - \frac{1}{5} + \frac{5}{12} =$$

$$5 + \frac{3}{5} + \frac{1}{3} =$$

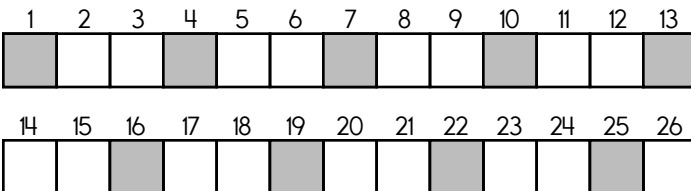
$$4 - \frac{3}{4} + \frac{1}{3} =$$

$$16 + \frac{5}{9} - \frac{1}{4} =$$

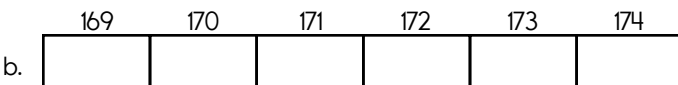
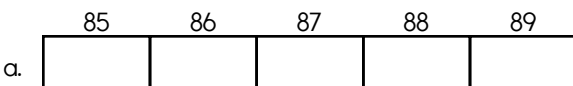
Name: _____

Sara is trying to figure out how many different remainders she can get when she divides by 4. She started dividing 53 by 4, then 54 by 4, and so on. Show her how many different remainders can be made.

What would happen if you divide larger numbers like 530 by 4? Can you get different remainders?



If this pattern continues, color how these squares would look:



Four players in a basketball game scored points. The players averaged 11 points each. Here are their scores.

_____, 10, 10, 16

Can you figure out the missing number?

If you know that $4.6 \div 10 = 0.46$, how could you solve these using mental math?

a. $4.6 \div 1,000 \times 4,000$

b. $4.6 \div 10 \times 20$

c. $4.6 \div 100 \times 100$

Name: _____

How many buzzes are equal to 20 clucks?

$$20 \text{ clucks} = 12 \text{ chirps}$$

$$3 \text{ chirps} = 4 \text{ roars}$$

$$48 \text{ roars} = 12 \text{ buzzes}$$

Pam was curious about what day will be her teacher's birthday. Today is Wednesday, and it is the 89th day of school.

"My birthday will be celebrated in 14 school days. There are 5 days each week for school and there are no upcoming holidays. Anyone know on what day of the week will be my birthday?" asked Mrs. Wilson.

Sarah has 60 cents. What fraction of a dollar is that? Be sure to simplify the fraction.

Name: _____

Mental Math

— #1 —

- Start with the number 25.

25

- Multiply by 10.

2 5 0 0 4 2 6 5 3 7 (Circle your answer to double check you are correct.) _____

- Increase that number by 7.

4 9 2 5 7 1 6 5 7 0 _____

- Add 13.

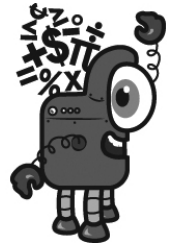
5 6 7 4 2 2 7 0 1 7 _____

- Divide by 10.

5 4 4 6 2 7 3 1 2 9 _____

- Add half of 50.

7 5 2 6 5 6 9 2 3 8 _____



Mental Math

— #2 —

- ◆ Start with the number 113.

3 5 5 1 1 3 8 2 1 2 (Circle your answer to double check you are correct.) _____

- ◆ Add the digits in your number. The sum of that is your new number.

1 9 6 8 8 0 5 2 2 2 _____

- ◆ Add the number of ounces in 2 pounds.

1 7 6 0 4 0 9 3 7 8 _____

- ◆ Add 12.

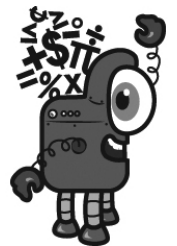
4 4 5 9 8 5 4 9 3 0 _____

- ◆ Find the square root.

5 5 1 9 3 4 9 7 4 7 _____

- ◆ Add 59.

3 5 8 6 6 7 6 9 9 0 _____



Name: _____

14	$-\frac{3}{5}$		+56		$-\frac{1}{4}$		+7	
								-58
			$+2\frac{1}{4}$		$-\frac{2}{6}$		$-\frac{3}{4}$	
+8		$+\frac{2}{6}$						
					$-5\frac{2}{5}$		-26	
+31		+14		-15	$109\frac{59}{60}$		+17	$43\frac{1}{4}$

48	$+6\frac{1}{2}$		+12		$-\frac{3}{6}$	
						-40

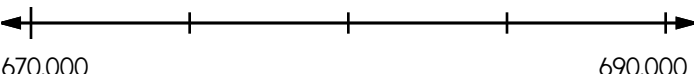
	$+7\frac{3}{4}$	$28\frac{1}{4}$	+3		$-\frac{3}{4}$	
--	-----------------	-----------------	----	--	----------------	--

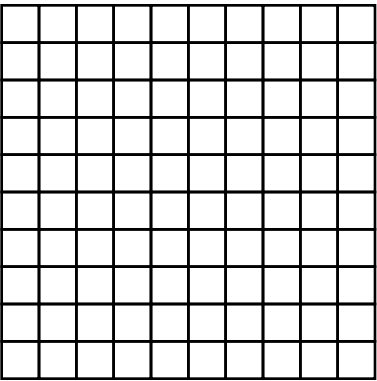
-32

4	+18		$-\frac{2}{6}$	$21\frac{2}{3}$	$-\frac{3}{4}$		+60	$80\frac{11}{12}$
---	-----	--	----------------	-----------------	----------------	--	-----	-------------------

Name: _____

<p>Sarah went to the Sparkle Sweet Shoppe. She had five quarters and two dimes. She bought a cherry parfait for 84 cents. How much change did she get?</p>	<p>There are 30 breath mints in a box. Maria has used $\frac{1}{4}$ of them. How many breath mints are left?</p>	<p>Connor likes TV. He likes to eat TV dinners. He watches TV for three and half hours each day. If he starts at 4:00 p.m., what time will he quit watching TV?</p>
--	---	---

<p>Locate where to put the number 680,000 and label the point F.</p> 	<p>Round 326,495 to the nearest ten-thousand.</p> <p>_____</p>
--	--

<p>Color $\frac{9}{10}$.</p> 	<p>Write the ordinal number that comes after forty-second.</p> <p>_____</p>	<p><input type="radio"/> begin</p> <p><input type="radio"/> bein</p> <p><input type="radio"/> beginn</p> <p><input type="radio"/> beggin</p>
<p>Write the number with 5 ten-thousands and 3 ones.</p> <p>_____</p>		

<p>Name the polygon that has ten vertices.</p> <p>_____</p>	<p>Write the number for three thousand, seven hundred one.</p> <p>_____</p>	$\begin{array}{r} 45 \\ + 95 \\ \hline \end{array}$	$\begin{array}{r} 49 \\ - 31 \\ \hline \end{array}$
---	---	---	---

word root **vert** can mean **turn** **extrovert, revert**

Name: _____

$2.1463 \times 10,000 =$

$10 \times 15.11 =$

$$\begin{array}{r} 17.92 \\ \times 5.29 \\ \hline \end{array}$$

$$\begin{array}{r} 6.65 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 12.73 \\ - 6.62 \\ \hline \end{array}$$

$$\begin{array}{r} 8.424 \\ - 4.7 \\ \hline \end{array}$$

$$500 \overline{) 11.5}$$

$$385 \overline{) 57.75}$$

Change $\frac{1}{4}$ to a decimal.

$$\begin{array}{r} 1.68 \\ + 112.8 \\ \hline \end{array}$$

$100 \times 12.04 =$

$$\begin{array}{r} 8.03 \\ \times 0.8 \\ \hline \end{array}$$

$$\begin{array}{r} 2.57 \\ \times 6.9 \\ \hline \end{array}$$

Write the decimal number for:
eight ten-thousandths

$$\begin{array}{r} 18.2 \\ + 19.24 \\ \hline \end{array}$$

Name: _____

Write algebraic expressions.Multiply m by 9.

Then add 15,655 to the product.

This is how Mary coded your algebraic expression.

$$\text{ans} = m * 9$$

$$\text{ans} = \text{ans} + 15655$$

She named a variable "ans" to code the answer.

Did you know that coders use $*$ for multiplication, $/$ for division, $+$ for addition, and $-$ for subtraction in their code?**Write algebraic expressions.**Add 58 to z .

Then multiply the sum by 4.

Now that you wrote the algebraic expressions, try to write computer code to do the same. Use "ans" as a variable to save each result.

Write algebraic expressions.Add $\frac{1}{7}$ to the product of 7 and s .Divide z by 86, and then subtract 203 from the quotient.Add 80,131 to the product of $5y$ and 7.**Write a description for each algebraic expression.**

$$(5s) - 22$$

Multiply 5 by s . Then subtract 22 from the product.

$$143 + m$$

$$\frac{y}{6}$$

$$(z - 5451) \times 8$$

Name: _____

Holly and Wendy play on the same softball team. Holly was lucky enough to get her favorite number on her jersey. She likes it because the sum of its two digits is 9. If you take Holly's jersey number and reverse the digits, you would get Wendy's jersey number. Wendy has the smaller jersey number. It is 27 less than Holly's. What could their jersey numbers be?

At the party store, Sara is looking at the premade goodie bags. They sell 4 goodie bags for \$5.45. She needs to buy 24 goodie bags. How much will that cost?

The difference between two numbers is 678. The average of these same two numbers is 514. What are the two numbers?

Ava likes to spend money at the mall. Her brother tells her that she likes to WASTE her money. She bought 5 pairs of earrings and a makeup kit. Altogether it came to \$51.14. The makeup kit was \$19.79. The earrings were all the same price. How much did each pair of earrings cost?



Name: _____

Get a fidget spinner! Spin it.

I needed to spin _____ time(s) to finish.

Directions:

Use the rule that

1 human year = 7 dog years











to fill in the blanks.






Human Years: $7\frac{1}{4}$ Dog's Age: $50\frac{9}{12}$	Human Years: $2\frac{1}{12}$ Dog's Age: _____	Human Years: $14\frac{11}{12}$ Dog's Age: _____	Human Years: $9\frac{2}{12}$ Dog's Age: _____
Human Years: _____ Dog's Age: $37\frac{11}{12}$	Human Years: $17\frac{1}{2}$ Dog's Age: _____	Human Years: $8\frac{4}{12}$ Dog's Age: _____	Human Years: $12\frac{1}{4}$ Dog's Age: _____
Human Years: _____ Dog's Age: $24\frac{1}{2}$	Human Years: _____ Dog's Age: $95\frac{8}{12}$	Human Years: $6\frac{1}{6}$ Dog's Age: _____	Human Years: $1\frac{5}{6}$ Dog's Age: _____
Human Years: _____ Dog's Age: $71\frac{9}{12}$	Human Years: $4\frac{1}{3}$ Dog's Age: _____	Human Years: _____ Dog's Age: $110\frac{5}{6}$	Human Years: _____ Dog's Age: $118\frac{5}{12}$
Human Years: $18\frac{1}{3}$ Dog's Age: _____	Human Years: _____ Dog's Age: $81\frac{8}{12}$	Human Years: _____ Dog's Age: $79\frac{11}{12}$	Human Years: $7\frac{10}{12}$ Dog's Age: _____

Name: _____

Draw ONE continuous line that touches every box ONCE.
 Count by 8.2s. Find the box with the number 4. Move up, down, right, or left.
 Keep counting until you reach 463.2. Do not move into a spot with a picture.

	53.2					
			307.4	---	---	
		291	282.8	---	---	
			274.6	---		
94.2		---		---		
	12.2			---		
	4	---	---			
				---	---	

						463.2

$(8 + 5) + 9 =$	1 kg = 1,000 g 25 kg = _____ g	$10 \times 6 =$
-----------------	-----------------------------------	-----------------

$18 \div 9 =$ _____	25 lb = _____ oz	You can buy 3 cards for \$12 at the store. At this rate, what would be the cost of twelve cards?
---------------------	------------------	--

Name: _____

Show the steps to solve $4(45 - 9 + 15) \times 11 - 73 + 37 \times 13$.

Step 1. Parentheses

Step 2. Exponents

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

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

Rewrite these numbers in order from least to greatest.

-5

-6

-5.17

-5.861

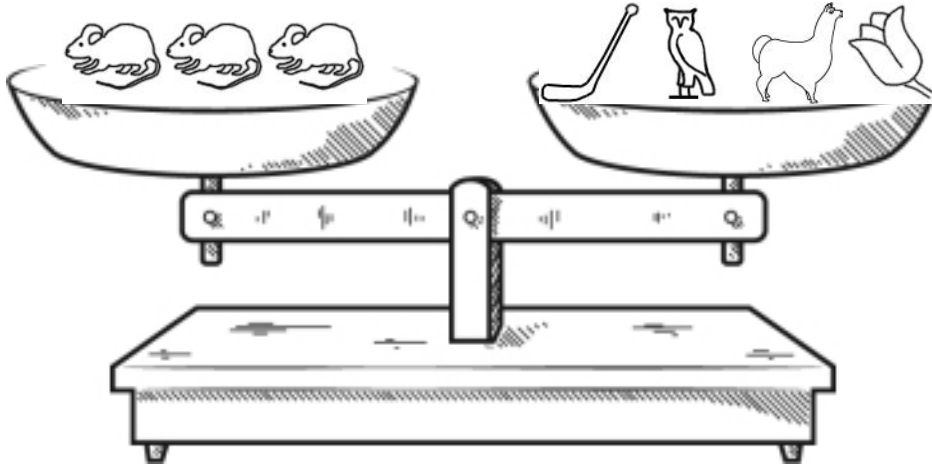
-5.8

Write the decimal number
for:
nine thousandths

Reduce $\frac{24}{64}$ to its lowest
terms.

Change 13% to a decimal.

Name: _____



True False

True False

True False

True False

True False

True False







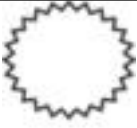




Did you find that two are true? If not, look again!
 You should only mark TRUE if you are absolutely sure it is correct!

Name: _____

Each row, column, and box must have the numbers 1 through 6. The first box is done.

5	1	4		6	
6	3	2			1
	5			3	
	2	6			
			3		
	4			1	

Each row, column, and box must have 6 different pictures.

Name: _____

Sudoku Sums of 17

Each row, column, and box must have the numbers 1 through 9.
Hint: Look for sudoku sums. The sum of the two boxes inside of the dashed lines is 17.

Here is an example of a sudoku sum of 17:

12	5
----	---

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

$$0.7 (0.2 (0.7 \times 7)) =$$

$$5 \times 63 \div 9 - 40 \div 8 =$$

Rewrite $\frac{69}{100}$ as a decimal.

Name: _____

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

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

$$\begin{array}{r} 936,400 \\ - 70,043 \\ \hline \end{array}$$

Change $\frac{3}{6}$ to a decimal.

$$\begin{array}{r} 2,474 \\ - 569 \\ \hline \end{array}$$

$16 \div 8 = \underline{\hspace{2cm}}$

How many centimeters are in 60 millimeters?

 centimeters

$18 \div 2 = \underline{\hspace{2cm}}$

Name: _____

I am a positive whole number less than 80. Two of my factors are 3 and 5. I am a common multiple of 15 and 25. What number am I?

The sum of two counting numbers is 44. One number is four larger than the other. What are the two numbers?

What is 50% of 1,436?

How many meters are there in 108 kilometers?

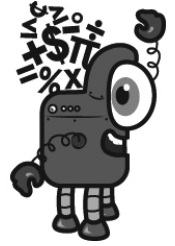
It was 2 degrees above zero in the morning. By afternoon the temperature rose 24 degrees. How warm was it?

Name: _____

Mental Math

— #1 —

☺ Start with the number 527.

527

☺ Round to the nearest hundred.

7 5 8 3 5 0 0 7 4 2 (Circle your answer to double check you are correct.) _____

☺ Add the digits in your number. The sum of that is your new number.

4 3 2 0 8 3 3 7 5 3 _____

☺ Triple that number.

1 5 8 5 3 6 7 1 4 9 _____

☺ Increase that number by 38.

9 4 8 8 5 5 3 7 4 3 _____

☺ Subtract the number of inches in 3 feet.

7 2 1 7 1 7 2 0 6 8 _____

☺ Add the digits in your number. The sum of that is your new number.

4 8 2 0 1 4 8 6 3 4 _____

☺ Multiply by 10.

3 3 8 8 0 6 7 1 5 2 _____

☺ Multiply the tens digit by the ones digit. The product is your new number.

1 0 5 5 3 8 2 7 4 5 _____

☺ Add half of 44.

2 2 9 7 1 3 8 2 2 4 _____

☺ Round to the nearest ten.

1 4 7 5 2 0 2 7 4 9 _____

Name: _____

On Tuesday, 9 tons of granite were removed from the quarry, 13 tons were removed on Wednesday, and on Thursday an amount equal to the average removed on the two previous days was removed. What was the average amount of granite removed per day over the three-day period? Round your answer to the nearest tenth, if needed.

Jacob performed a reaction that resulted in the precipitation of 5.5 g of silver chloride in a beaker. Amy and Sara performed the same reaction and got 5.9 g and 5.4 g, respectively. The instructor told them that the most silver chloride he had seen produced in the reaction was 6.6 g. Find the average of the three students' results and compare it (as a percent) to the maximum amount seen by the teacher.

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

If a football team earned 47.9% of its yardage on passing plays and had a total of 2275 yards for the year, how many yards did it gain on running plays? Round your answer to the nearest tenth.

According to the Internal Revenue Service, 19.5 percent of the people who fill out federal income tax forms leave out pertinent information. Having to send back tax forms slows down the operation of the IRS. According to IRS figures, how many people out of one thousand will leave out pertinent information on their forms (round to the nearest person)?

Anne wanted to make bread pudding with lemon sauce for dessert for her family. However, she couldn't find a recipe that would make four servings. She decided to use a recipe for eight servings and use only half as much of each ingredient. The recipe for eight called for one and two-thirds cups of raisins. How many cups of raisins will she need for four people?

Name: _____

If there are six million yeast cells per milliliter of growth medium in an experiment, how many will there be in two days when the cell population has quadrupled and then quadrupled again? Express your answer using scientific notation.

A radio-controlled car is moving down a straight away on a track at a constant speed of 4.5 m/s. If the force applied by the drive system is 6 N, how great is the friction force applied to the car in the opposite direction?

Captain Howard had his crew paint the smokestack on his ship which was called the Sea Snail. The smokestack is shaped like a cylinder and is 43 feet tall. The radius of the smokestack's base is eight feet. What is the volume of the smokestack?

Max has seventy-five square stickers of different colors that each measure three inches on a side. He wants to use them to cover the fronts of some notebooks he has. If his notebooks measure nine inches by twelve inches, how many whole notebook fronts can he completely cover with the stickers?

Which expression has the largest value (a) $30 + (34) \div -14$, or (b) $-30 \div (-14) - -34$?

In golf, the average score a good player should be able to achieve is called "par." Par for a whole course is calculated by adding up the par scores for each hole. Scores in golf are often expressed at some number either greater than or less than par. Ms. Floop is having a pretty good day at the Megalopolis City Golf Club. Her score so far after 15 holes is -3. If par for 15 holes is 63, what is her score?

Name: _____

$$8 \overline{) 8.8}$$

$$5 \overline{) 3.5}$$

$$9 \overline{) 8.1}$$

$$4 \overline{) 4.8}$$

$$10 \overline{) 1.0}$$

$$6 \overline{) 12.6}$$

$$4 \overline{) 0.32}$$

$$4 \overline{) 3}$$

$$9 \overline{) 0.54}$$

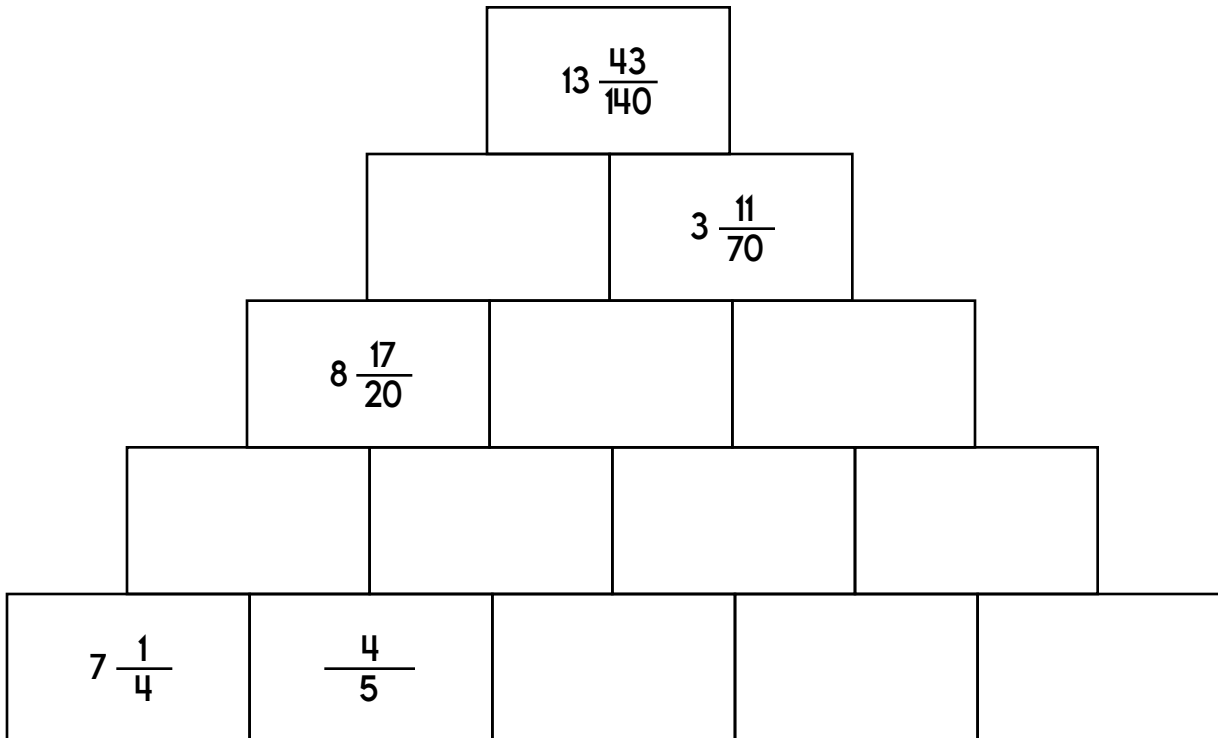
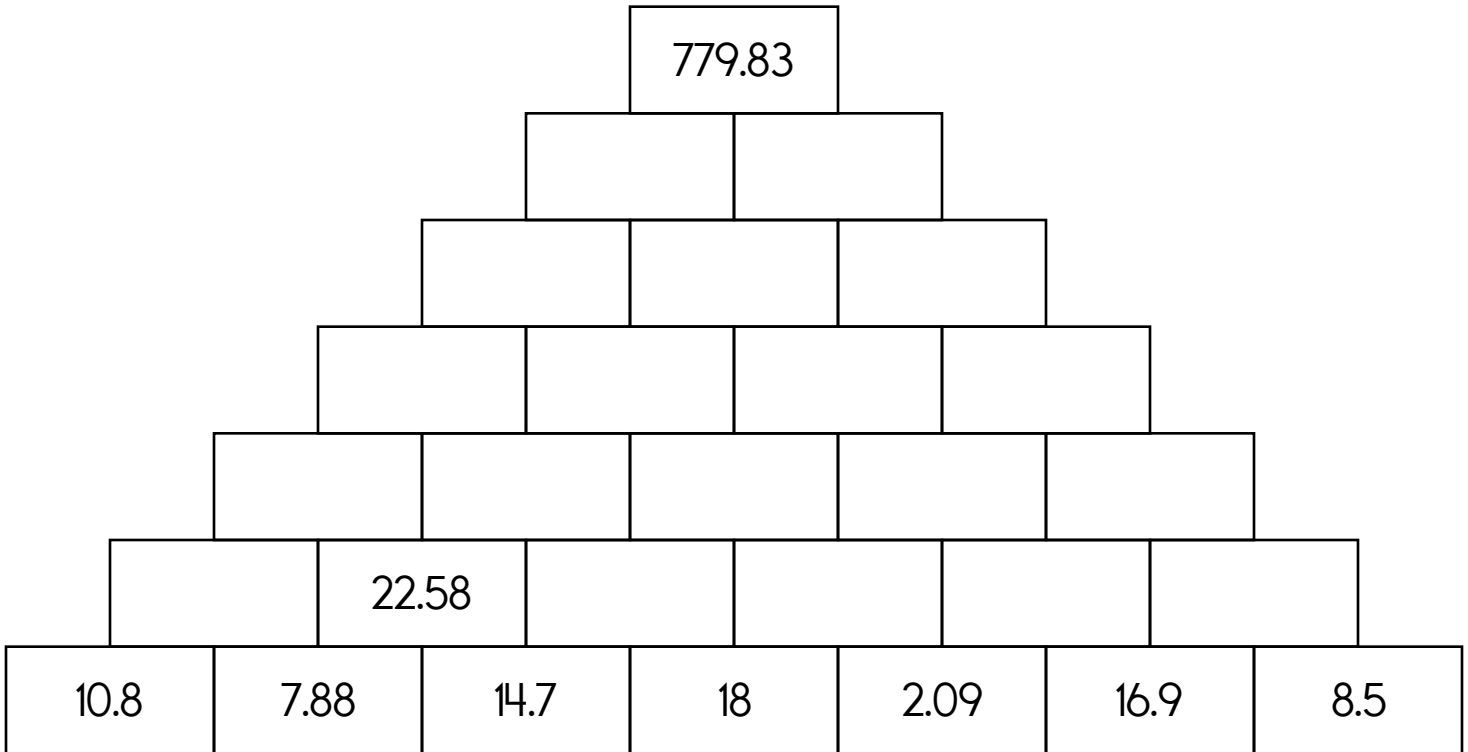
$$-10 + -8 =$$

$$2 - 4 - 2 =$$

$$-4 + 2 =$$

Name: _____

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



Name: _____

$$12 \text{ km} = \text{_____ m}$$

$$3 \text{ km} = \text{_____ m}$$

$$8,700 \text{ m} = \text{_____ km}$$

$$5,680 \text{ m} = \text{_____ km}$$

$$14,508 \text{ m} = \text{_____ km}$$

77	19	32	43	90
56	64	81	25	68
79	57	10	93	86
21	34	48	52	45

What is the ratio of odd numbers to even numbers?

What is the ratio of numbers less than 40 to numbers 40 or greater?

Megan drew a picture that was 12 inches long. Maria also drew a picture, but it was 24 inches long. How many times the length of Megan's picture is Maria's picture?

What is the ratio of Maria's picture to Megan's picture?

Mary and her older sister Rose shared the cost of a new dog in the ratio of 3:6. They spent \$153 for the dog, a visit to the veterinarian, and supplies. If Mary paid \$51, then how much did Rose pay?

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: 29.3, 28.3, or 14.4. The other three numbers have to all be DIFFERENT and must be from these: 7.5, 9.5, 3.4, 8.4, 1.9, or 2.2.

	28.3		14.4						
			greater than 1.9			even			
8.4	42	3.4		7.5	33.7	8.4	43.3	29.3	
			either 2.2 or 7.5						
	1.9								
			even		greater than 1.9		either 3.4 or 1.9		
7.5	41.1		33.7		33.7		27.2		
			less than 7.5		less than 14.4			odd	
			either 28.3 or 29.3		either 14.4 or 2.2		either 2.2 or 8.4		greater than 1.9
8.4	46.4		27.5		47.6		39.9	2.2	
			either 1.9 or 2.2		greater than 2.2				
			less than 14.4		odd		odd		
	48.5		44.1		48.6		32.2		
			greater than 1.9		greater than 7.5		greater than 1.9		less than 29.3
			either 29.3 or 28.3		odd		either 8.4 or 1.9		either 8.4 or 14.4
	43.3		27.2						
			either 9.5 or 8.4		either 3.4 or 1.9		either 9.5 or 7.5		less than 29.3
			even		less than 28.3				

Name: _____

Emily got a summer job working on an app where people post pictures of their pets. This week they had 100,000 pictures posted. Of those pictures, 39% were dogs. How many pictures of dogs did they get this week?

Anna rode her bike for 30 minutes. She went 4.6 miles. What is her speed in miles per hour? Round your answer to the nearest tenth of a mile per hour.

Which two of these numbers have a product of 4.466?

5.8

0.077

0.77

2.4

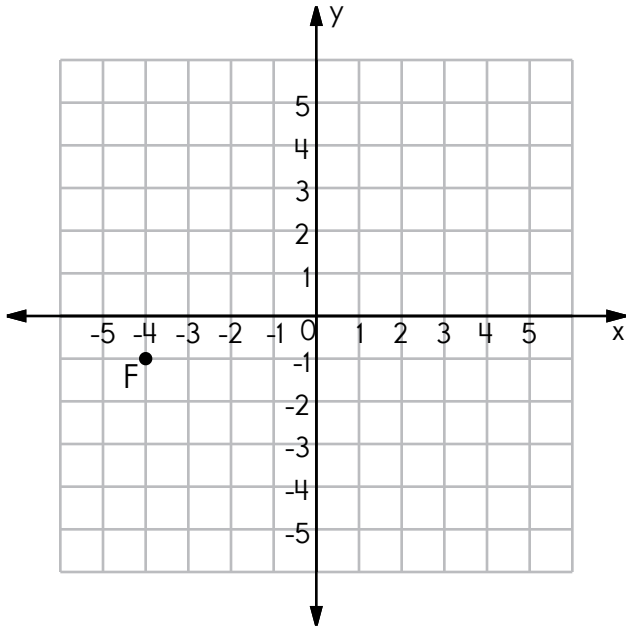
0.24

0.024

7.7

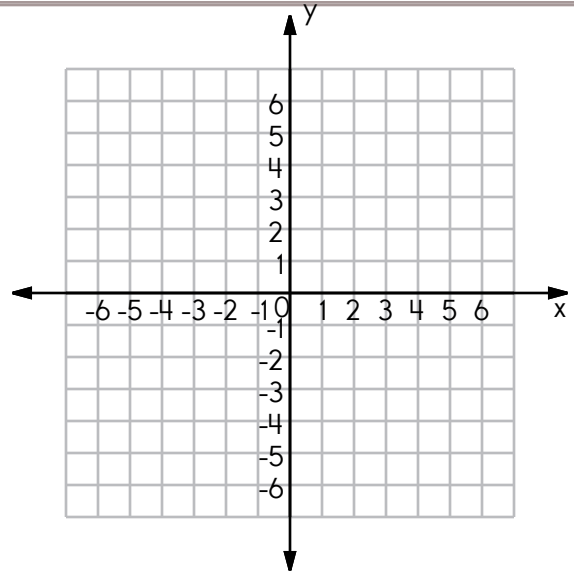
0.058

Name: _____



Point F is in Quadrant III.

The coordinates of F are _____.

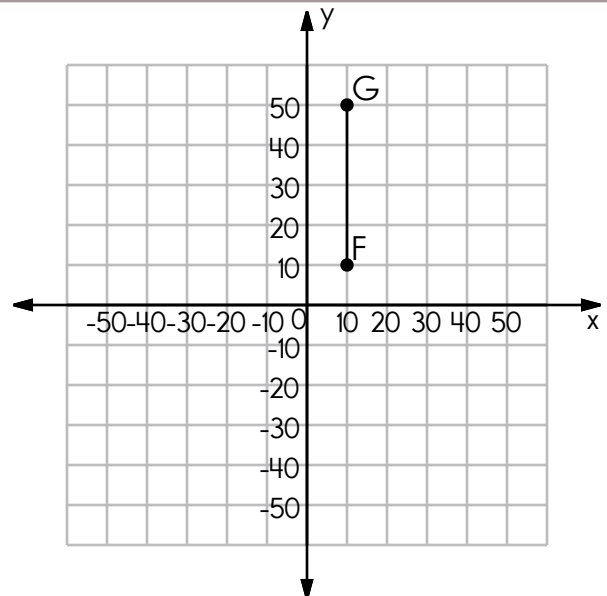


Draw a triangle in Quadrant IV.

Write the coordinates you plotted:

Two points are reflections of each other about the x-axis. One of the points is $(-2, 3)$. What is the other point?

Two points are reflections of each other about the y-axis. One of the points is $(9, 9)$. What is the other point?



What is the length of \overline{FG} ?

_____ units

Draw a line between points $C(20, 30)$ and $G(20, -10)$. What is the length?

Name: _____

$$\begin{array}{r} 3,712 \\ - 538 \\ \hline \end{array}$$

$$\begin{array}{r} 604 \\ + 19 \\ \hline \end{array}$$

$$\begin{array}{r} 56,191 \\ - 23,272 \\ \hline \end{array}$$

Write the reciprocal.
18

$$12 - \frac{1}{3} =$$

Write the reciprocal.

$$\frac{14}{5}$$

Find 25% of 108.

Find 34% of 98.

Change $\frac{80}{100}$ to a percent.

Change $\frac{2}{4}$ to a decimal.

Change 0.76 to a percent.

Find 5% of 126.

Change 5% to a decimal.

Change $\frac{52}{65}$ to a decimal.

Find 80% of 325.

Name: _____

$$8 + s = 22$$

$$s =$$

$$z + 11 = 16$$

$$z =$$

Write an algebraic expression to subtract 69 from m .

The sum of 24 and y is 59.

What is the value of y ?

Compare each pair of numbers or expressions using $>$, $=$, or $<$.

$$-56 \bigcirc -57$$

$$250.346 \bigcirc 175.32$$

$$9 \div 81 \bigcirc 81 \div 9$$

$$-35 \bigcirc 35$$

$$394,751 \bigcirc 285,937$$

$$26 - r = 20$$

$$r =$$

$$m - 6 = 19$$

$$m =$$

The sum of 30 and y is 51.

What is the value of y ?

Write an algebraic expression to get the product of 9 and z .

Simplify $4s + 6s$.

What is the value of the simplified equation when $s = 3$?

Simplify $8k - 5k$.

What is the value of the simplified equation when $k = 6$?

What is $8r + 78$ when $r = 5$?

Name: _____

Fill in each box of the edHelperKu puzzle, using the numbers from 1 to 6.

Every row must contain the numbers 1, 2, 3, 4, 5, and 6.

Every column must contain the numbers 1, 2, 3, 4, 5, and 6.

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.

5	1-	1-		5-	
				6	
1-		3-	3-		3-
2					
	5	2	2-		
5-		1-		3-	
2-		5-		3	1-
3	5-		3-		

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

$$\underline{\quad} - 4 = 2$$

$$3 - \underline{\quad} = 1$$

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

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

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

$$6 - \underline{\quad} = 5$$

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

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

Name: _____

**FUN
BREAK!**

Play a game online!

edHelper.com/math-games.htm**I PLAYED
ONE
GAME**

(Check the
box after
you play.)

MY SCORE



Reduce $\frac{48}{54}$ to its lowest terms.

$$6 + \frac{1}{5} + \frac{1}{3} =$$

Reduce $\frac{9}{18}$ to its lowest terms.

What is the greatest common factor of the numbers 60 and 96?

If $g = 9$ and $h = -50$ then what is the value of a ?
 $9g + 12h - 2h = a$

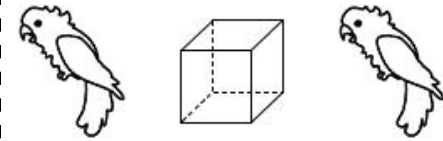
$$\frac{8}{9} \div \frac{17}{36} =$$

Name: _____

Draw 3 pictures in the correct order. Use each of the clues so you will know what to draw.



! Draw 1 of these 3 pictures.
! The picture IS in the correct spot.



! Draw 1 of these 3 pictures.
! The picture IS in the correct spot.

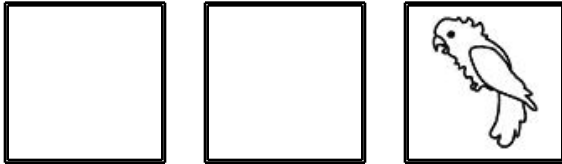


! Draw 1 of these 3 pictures.
! The picture is NOT in the correct spot.



! Draw 1 of these 3 pictures.
! The picture IS in the correct spot.

Draw the 3 pictures in the correct order:



Draw 4 pictures in the correct order. Use each of the clues so you will know what to draw.



! Draw 1 of these 4 pictures.
! The picture IS in the correct spot.

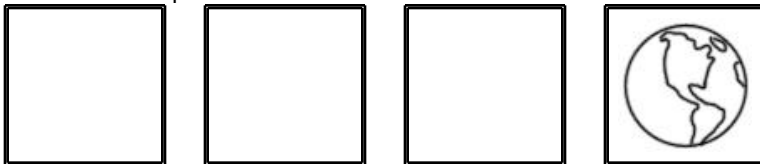


! Draw 1 of these 4 pictures.
! The picture is NOT in the correct spot.

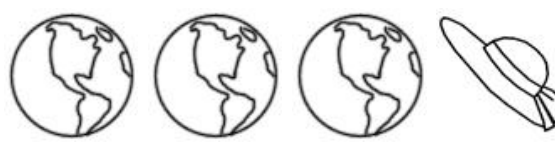


! Draw 2 of these 4 pictures.
! The pictures to use are in the correct spot.

Draw the 4 pictures in the correct order:



! Draw 1 of these 4 pictures.
! The picture IS in the correct spot.



! Draw 1 of these 4 pictures.
! The picture is NOT in the correct spot.

Name: _____

	x	-	=	
	C	C	B	74
+	A	B	B	14
+	B	?	C	54
=	19	25	23	

Equations and Hints:

Each letter is a whole number.

Fill in the equations using the chart:

$$C + A + B = 19 \quad C \times \underline{\quad} - B = 74 \quad \underline{\quad} \times \underline{\quad} - \underline{\quad} = 14$$

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = 23$$

Additional hints:

$$C < 10 \quad B = A + 4$$

Show Work:**Solve:**

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

Name: _____

Matthew, who lives north of Kevin, would like to meet with Kevin as soon as possible. Matthew started driving south on Interstate 95 at sixty-five mph. Kevin started driving north on interstate 95 at fifty-nine mph. If they are 401 miles apart at 10:09, what time will they be able to meet?

A number multiplied by 4 is -38.4 . What is the number?

At EdHelper Gas, regular gas is \$1.24 per gallon and ultra gas is \$1.74 per gallon. If EdHelper Gas sold 54 gallons of ultra, how many gallons of regular must be sold to have an average selling price of \$1.44 per gallon?

A rectangle has a larger length than width. The area of the rectangle is five thousand, one hundred twelve square feet. The perimeter of the rectangle is one hundred four feet more than seven times its width. What are its dimensions?

If a third of a positive number is added to ten times that given number, the result is less than 1,033. What is the largest positive integer that makes this inequality true?

Jose has 4 liters of a mixture containing 63% of boric acid. How much water must be added to make the mixture 28% boric acid?

Name: _____

Taylor wants to make 60% citric acid. If she has $\frac{1}{2}$ liters of 0% citric acid, how many liters of 75% citric acid should she add?

If Julia were twice as old as she was five years ago, she will be three less than three times as old as she was nine years ago. How old is Julia?

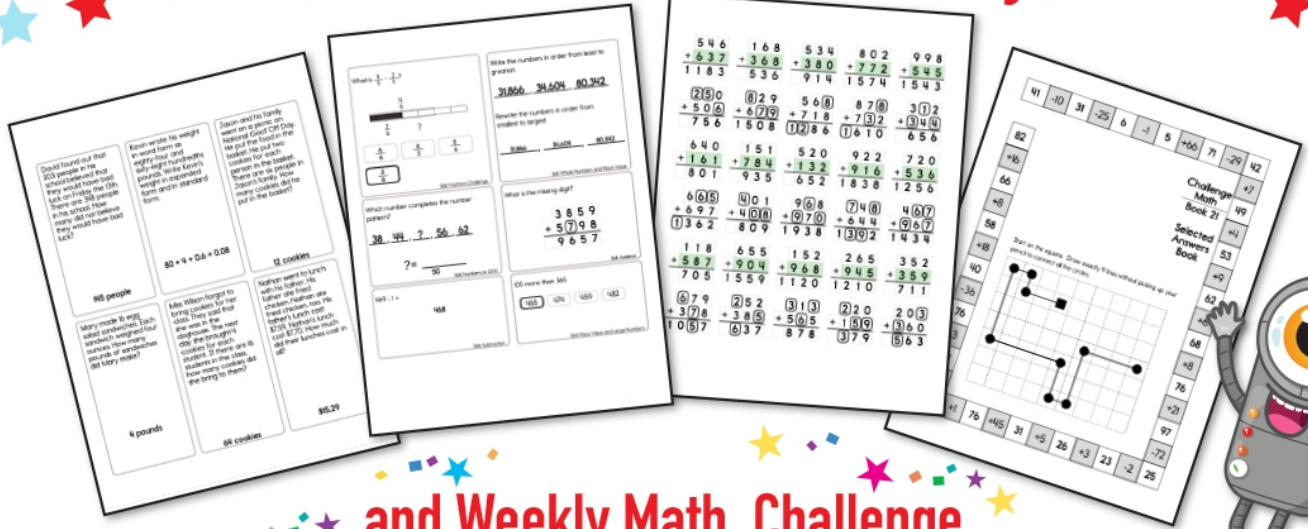
Two-sixths of a number equals 464. What is the number?

Kaitlyn has a total of thirty-four nickels and quarters. The nickels come to \$5.50 less than the quarters. How much money does she have?

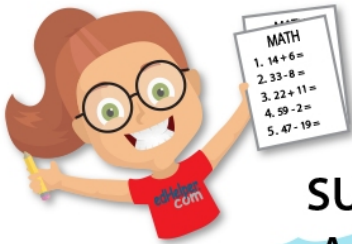
Two six-packs of soda and a bag of chips have a total of 3,024 calories. The bag of chips has eight servings. The number of calories in one can of soda is eighty-two calories more than the number of calories in one serving of chips. How many calories are in one can of soda?

Olivia has 7 liters of a mixture containing 45% of boric acid. How much water must be added to make the mixture 42% boric acid?

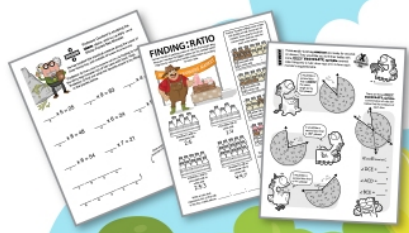
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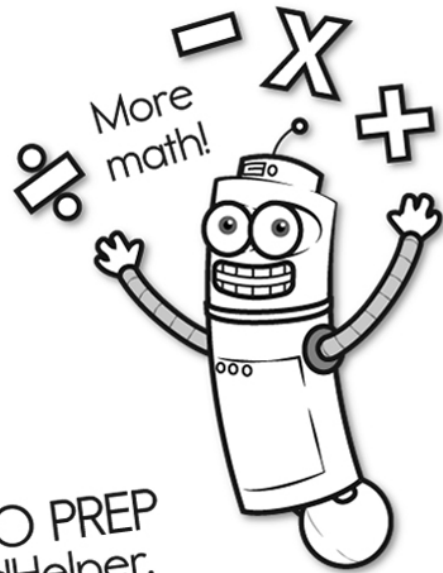
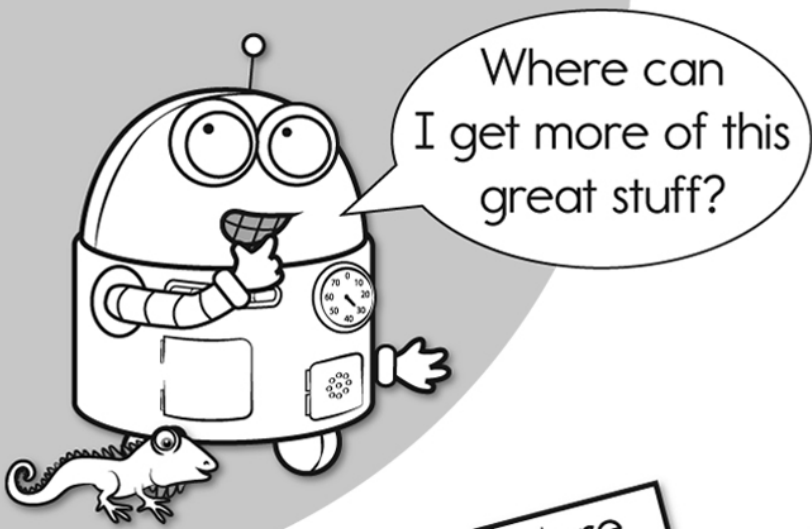
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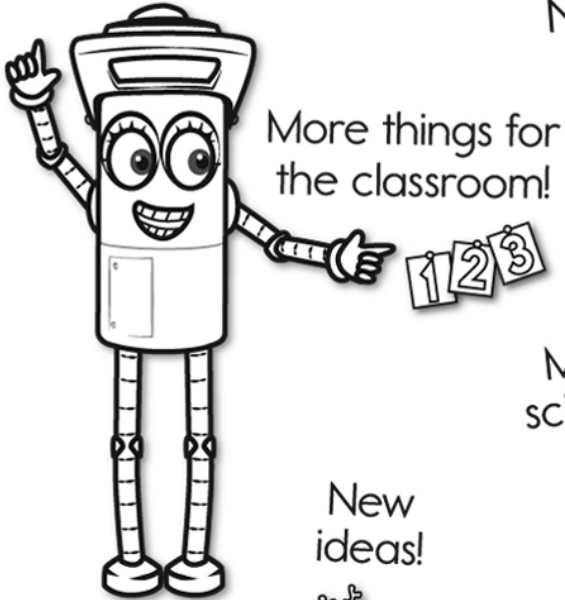
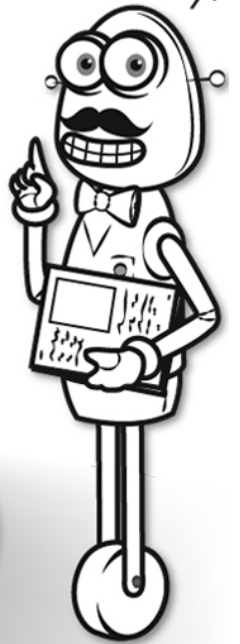
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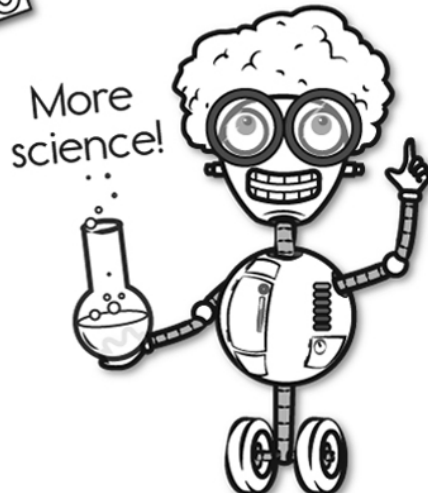


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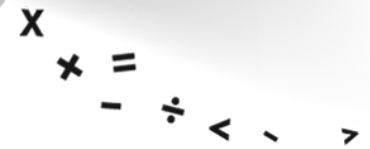
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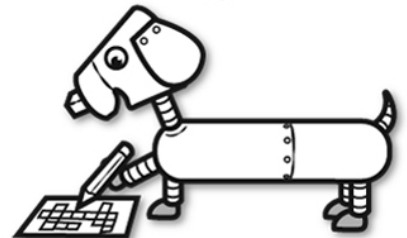
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