



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:  $8\frac{1}{4}$ ,  $\frac{1}{6}$ , or  $6\frac{1}{3}$ .

The other three numbers have to all be DIFFERENT and must be from these:  $2\frac{3}{4}$ ,  $3\frac{1}{2}$ ,  $9\frac{1}{2}$ , or  $4\frac{1}{2}$ .

Name: \_\_\_\_\_

The student to teacher ratio at the school built by the Peace Corps volunteers is 41:1. If there are 12 teachers in the school, how many students are there?

Anna had \$15 for lunch each week. If she bought the standard hot lunch each day (for 5 days) at \$2.75, how much money would she have left over at the end of the week?

Adam has a headache. He can't stand long lists. "Can you repeat that again?" he asks. "It's easy. Name a number that is greater than 5, less than 16, is a multiple of 5, and FINALLY is a factor of 50," replies David.

Put one line under the smallest number. Put two lines under the next smallest, and so on. The largest number should have 4 lines under it.

11.8

11.9

-4.6

-4.2

Name: \_\_\_\_\_

Mr. Snead makes \$29,500 a year. His boss, Ms. Tong just gave him a raise. Now he makes \$31,500 a year. His salary has increased by what percent? Round your answer to the nearest tenth of a percent.

There are eight black marbles and three white marbles in a bag. What is the probability of pulling out a black marble on the first try?

Professor Bloop has another one of his insane experiments in progress. He is designing a machine to remove the shells from hard-boiled eggs all in one piece. He makes a voltage measurement at terminal 23B on his machine and finds it is at -5.9 volts. "Amazing!" he exclaims. "That is exactly half the voltage I measured yesterday before I put in a larger flubister!" What voltage did he measure on terminal 23B yesterday before he changed the flubister?

If in one environment the ratio of primary consumers to secondary consumers is  $19/7$ , about how many primary consumers would you expect in a population of 10,425 primary and secondary consumers?

Ninety-nine people are trying out for the football team. Forty-eight will be selected for further consideration. How many will not be selected for further consideration?

The clasp on Rosa's purse was broken. She decided to go downtown to have it repaired. She told her mother that she would be back in three and a third hours. As she began her descent of the stairs, she looked at her watch. It was 10:44 a.m. What time should she be back at home?

Name: \_\_\_\_\_

While Yuko was in Japan, she bought a doll that cost 1,922 yen. How much did the doll cost in U.S. dollars? The exchange rate was 105.45 yen per dollar.

Rewrite these in increasing order of length:

454 dm, 371 m, 19 km, 716 mm, 346 cm

Rosa told Sarah that she multiplied two consecutive whole numbers and the answer is 240. Sarah doesn't believe that is possible. She thinks Sarah must have multiplied wrong. Who is correct?

How many centimeters are in 20 millimeters?

\_\_\_\_\_ centimeters

$3 \times 9 = \underline{\hspace{2cm}}$

$24 \div 8 = \underline{\hspace{2cm}}$

$1 \text{ km} = 1,000 \text{ m}$

$19 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

$54 \div 9 = \underline{\hspace{2cm}}$

$9 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

Name: \_\_\_\_\_

$\begin{array}{r} 349 \\ + 244 \\ \hline \end{array}$	$512 - 187 = \underline{\hspace{2cm}}$	$\begin{array}{r} 32 \\ + 39 \\ \hline \end{array}$
---	--	---

$10 \times 3 =$	$8,174 - 6,638 = \underline{\hspace{2cm}}$	$\begin{array}{r} 66 \\ - 28 \\ \hline \end{array}$
	$12 \times 7 = \underline{\hspace{2cm}}$	

What number is halfway between 7 and 13?	$30 \div 3 =$	$10 \times 7 = \underline{\hspace{2cm}}$
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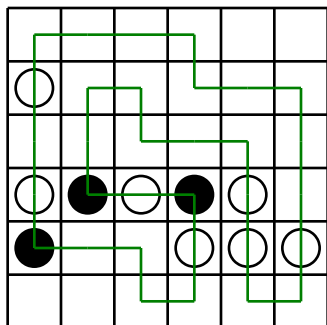
Write the numbers 40 to 65 on a sheet of paper. How many of these numbers are divisible by 2?  _____	$\begin{array}{r} 803 \\ - 509 \\ \hline \end{array}$	The boys in your class each were given a ticket with a number on it. The numbers given out were: 8, 2, 34, 13, 38, 40, 25, 15, 10, 4, and 6. One ticket will be picked from a hat. What are the chances that the winning ticket number is divisible by 6?
$6 \times 3 = \underline{\hspace{2cm}}$		

$10 \times 3 = \underline{\hspace{2cm}}$	In the number 81,064,967,473, the digit 1 is in what place?  _____	$5 \times 9 = \underline{\hspace{2cm}}$
--	--	---

Write 24,832 in words.  _____	$10 \times 11 =$
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$6,426 + 7,274 = \underline{\hspace{2cm}}$	$7 \times 3 = \underline{\hspace{2cm}}$	$6 \times 8 = \underline{\hspace{2cm}}$
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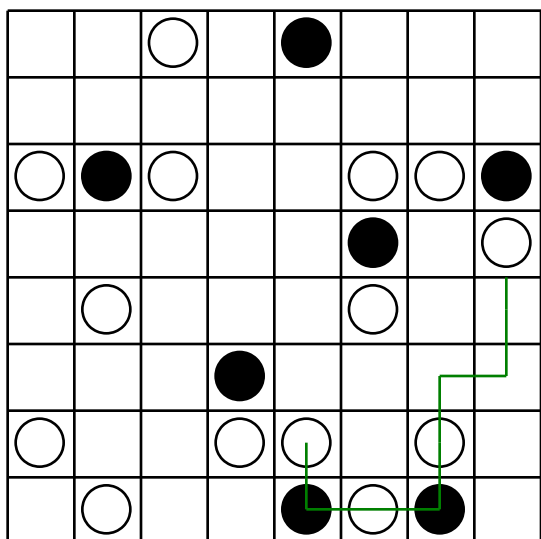
Name: \_\_\_\_\_



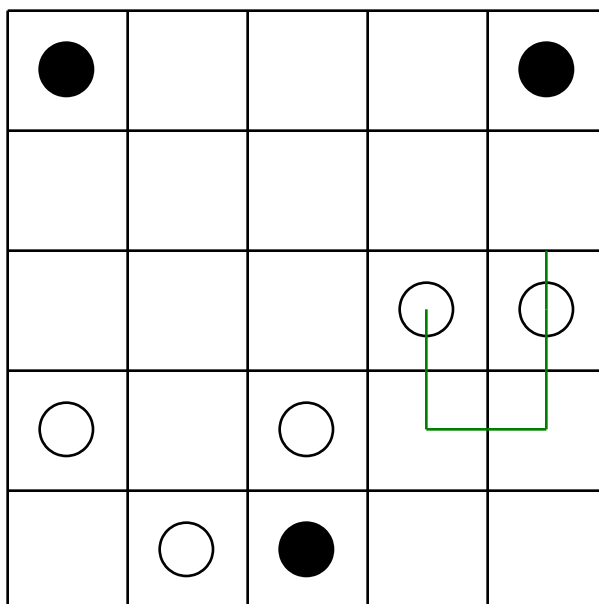
Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.  
 You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

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

Finish the line:



Finish the line:



$8 \times 12 =$  \_\_\_\_\_

Rosa got a new soccer shirt.  
 Can you guess the number  
 on the back of her shirt?

It has two digits.  
 The digits add up to 11.  
 The larger digit is 7 more than  
 the smaller digit.  
 The number is even.

$108 \div 12 =$  \_\_\_\_\_

$63 \div 9 =$  \_\_\_\_\_

Name: \_\_\_\_\_

0 • 2 • 9 • 7 • = • 3 • + • 5 • 6 • - • 0 • 1 • 8 • = • 1 • 4  
8 • - • 5 • 4

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

Circle the digit in the tenths place.

7,144.7644

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

Write an equation to represent this:

The product of six and five is thirty.

\_\_\_\_\_

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

$10 \times 8 = \underline{\hspace{2cm}}$

Circle the addition property  
for  $59 + 83 = 83 + 59$ .

associative property  
commutative property

$18 \div 9 = \underline{\hspace{2cm}}$



Name: \_\_\_\_\_

Circle the correct answer.

The sum of the angles measures of a triangle are ...

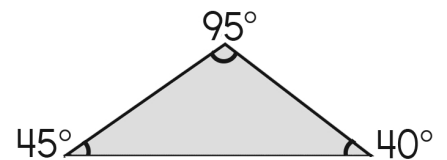
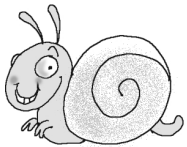
90°    180°    200°

A triangle cannot have two right angles because ...

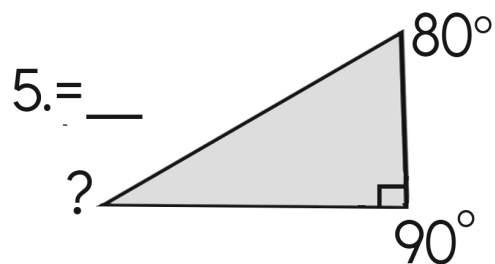
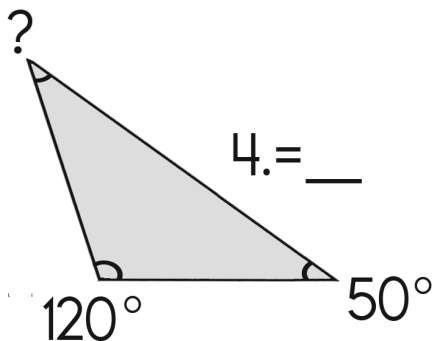
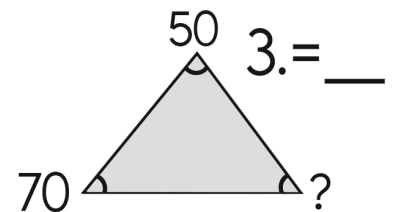
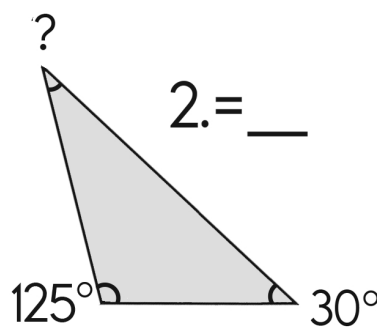
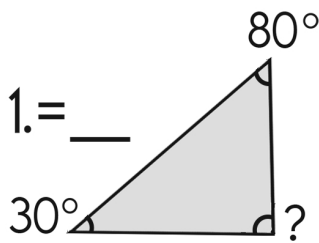
It would be more than 180°    It wouldn't be legal with the math council.    The early pilgrims made it that way.

The sum of measure for this triangle is ...

90°    180°    200°



Write in the missing angle measurements.



Name: \_\_\_\_\_

$$m + m + m + m + m + m + m =$$

$$s + 8s =$$

$$6z + 3z =$$

$$8k - 5k =$$

$$7r - 5r + r =$$

Hints:

$$4 - 9 = -5$$

$$13y - 14y = -y$$

Solve:

$$4y - 9y =$$

$$10y - 11y =$$

$$10y + 11y =$$

$$9r + 4r - 16r =$$

$$y + y - 5 + 7 =$$

$$m + m + m + 4 - m =$$

$$15r - 9r + 19 =$$

$$21k - 7k + 22k + 4k =$$

$$84,698s - 655s =$$

Hints:

$$4 - 7 = -3$$

$$10k - 11k = -k$$

Solve:

$$4k - 7k =$$

$$19k - 20k =$$

$$19k + 20k =$$

$$8s + 4s - 15s =$$

Name: \_\_\_\_\_

$$4 \overline{) 2.4}$$

$$2 \overline{) 7.8}$$

$$3 \overline{) 3.3}$$

$$9 \overline{) 14.4}$$

$$5 \overline{) 1.55}$$

$$8 \overline{) 22.4}$$

$$\begin{array}{r} 46 \\ \times 15 \\ \hline \end{array}$$

$$3 \overline{) 60}$$

$$43 \overline{) 6667}$$

Divide and write remainder.

23, 27, 32, 38, 45, 53, 62,  
\_\_\_\_\_, 83, 95

$$3 \times 36 \div 3 - 50 \div 5 =$$

$$0.4 \times 0.8$$

Name: \_\_\_\_\_

What is the greatest common factor of 11, 33, and 37?

$$4 + \underline{\quad} = 12$$

What is the missing number?

$$8 + x = 11$$

What is the value of x?

Write all the factors for the number 24.

Write all the factors for the number 26.

$$\underline{\quad} + 40 = 51$$

What is the missing number?

$$x + 12 = 18$$

What is the value of x?

$$13 + y = 36$$

What is the greatest common factor of 6, 21, and 27?

What is the greatest common factor of 8 and 18?

$$x - 15 = 17$$

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 NOT in the correct spot.



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

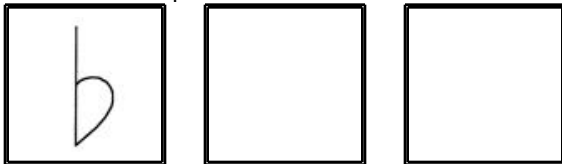


! Draw 1 of these 3 pictures.  
! The picture IS in the correct spot.

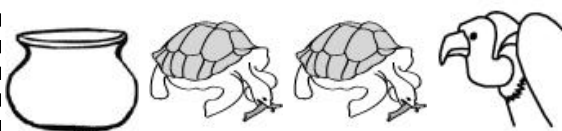


! Draw 2 of these 3 pictures.  
! 1 of those pictures is in the correct spot.

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 NOT in the correct spot.

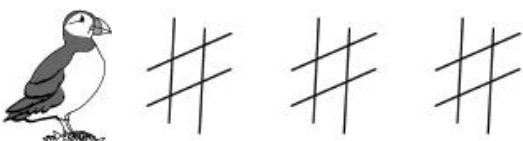
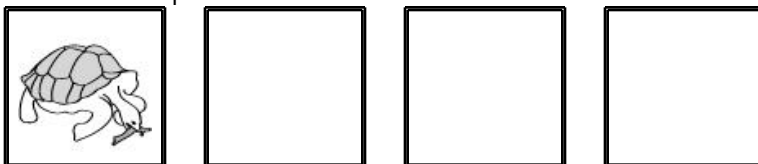


! Draw 1 of these 4 pictures.  
! The picture IS in the correct spot.

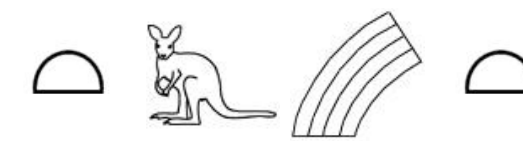


! Draw 3 of these 4 pictures.  
! The pictures to use are in the correct spot.

Draw the 4 pictures in the correct order:



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

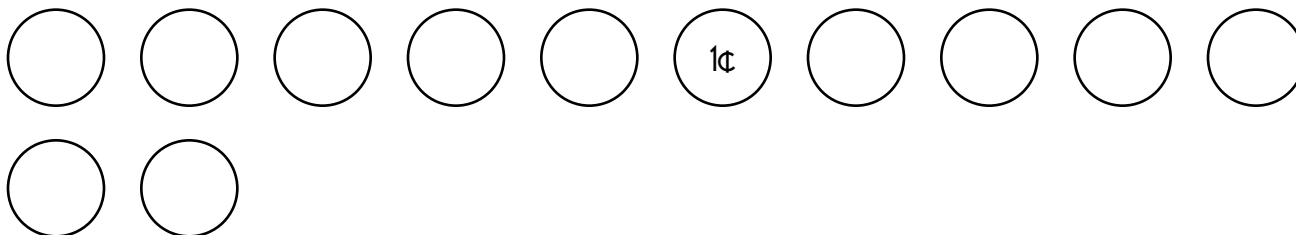


! Draw 1 of these 4 pictures.  
! The picture IS in the correct spot.

Name: \_\_\_\_\_

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

Amanda has \$27.90. She has 6 bills and 12 coins. How?



Robert has \$46.18. He has 7 bills and 18 coins. How?

Nathan has \$36.12. He has 4 bills and 11 coins. How?

Name: \_\_\_\_\_

Amy's room is nine hundred twenty-eight square feet. Which of the following is the correct measurement of Amy's room?

- A) 24 ft by 27 ft
- B) 20 ft by 37 ft
- C) 29 ft by 32 ft

Which of the following numbers when rounded to the nearest 100 is 68,700 and when rounded to the nearest 10,000 is 70,000?

- A) 68764
- B) 68746
- C) 68763
- D) 69095

What number is missing from the following sequence?

17, 27, 37, 47, 57, \_\_\_\_\_, 77, 87

- A) 67
- B) 63
- C) 61
- D) 64

Given the digits 3, 5, and 6, how many different three-digit numbers can you create greater than 500 if you can only use each digit once for each different number?

- A) 4
- B) 9
- C) 12
- D) 6

$357 \div 7 =$

- A) 57
- B) 53
- C) 11
- D) 51

What number is missing from the following sequence?

1728, 288, \_\_\_\_\_, 8

- A) 115
- B) 48
- C) 194
- D)  $9^{1^2}$

Name: \_\_\_\_\_

$$\begin{array}{r} 3\frac{2}{8} \\ - 1\frac{5}{8} \\ \hline \end{array}$$

Change to decimals.

$97\% = \underline{\hspace{2cm}}$

$70\% = \underline{\hspace{2cm}}$

$69\% = \underline{\hspace{2cm}}$

$6\% = \underline{\hspace{2cm}}$

$85 + 984 + 64 =$

$$545 \overline{) 1035.5}$$

Find the product of 5 and 798.

Find 42% of 179.

$$34 \overline{) 834}$$

Rewrite as a vertical equation and solve.

$9.864 - 3.942 =$

$$\begin{array}{r} 978 \\ 625 \\ + 818 \\ \hline \end{array}$$

Divide and write remainder.



Name: \_\_\_\_\_

There are five objects (a gray object, a red object, a blue object, a purple object, and a navy object). Each object has a different mass (11.1 g, 49.9 g, 82.9 g, 36.8 g, and 10.6 g) and a different volume (21.2 cubic cm, 35 cubic cm, 66.5 cubic cm, 8.2 cubic cm, and 29.6 cubic cm).

Density = Mass / Volume

Figure out the mass, volume, and density of each object.

1. The density of water is 1.0 grams per cubic cm. If the blue object was placed in water, it would sink.
2. The density of water is 1.0 grams per cubic cm. If the gray object was placed in water, it would float.
3. The blue object has a greater mass than the purple object.
4. One object has a volume of 21.2 cubic cm and a density of 0.5 grams per cubic cm.
5. The volume of the purple object is not 21.2 cubic cm and it is also not 29.6 cubic cm.
6. One object has a volume of 8.2 cubic cm and a density of 1.354 grams per cubic cm.
7. The red object has a mass of 49.9 g and a density of 0.75 grams per cubic cm.
8. The navy object has a greater mass than the gray object.
9. The blue object has a density of 1.051 grams per cubic cm and a mass of 36.8 g.
10. The density of aluminum is 2.7 grams per cubic cm. The navy object is more dense than aluminum.

gray object has a mass of \_\_\_\_\_, a volume of \_\_\_\_\_, and a density of \_\_\_\_\_.

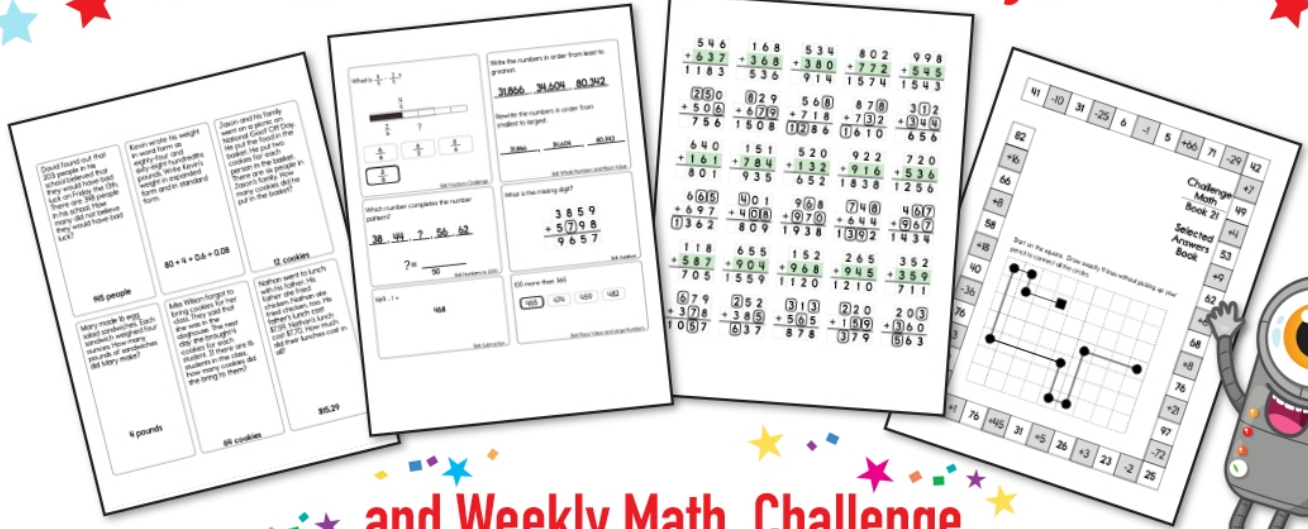
red object has a mass of \_\_\_\_\_, a volume of \_\_\_\_\_, and a density of \_\_\_\_\_.

blue object has a mass of \_\_\_\_\_, a volume of \_\_\_\_\_, and a density of \_\_\_\_\_.

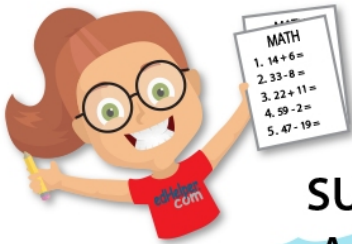
purple object has a mass of \_\_\_\_\_, a volume of \_\_\_\_\_, and a density of \_\_\_\_\_.

navy object has a mass of \_\_\_\_\_, a volume of \_\_\_\_\_, and a density of \_\_\_\_\_.

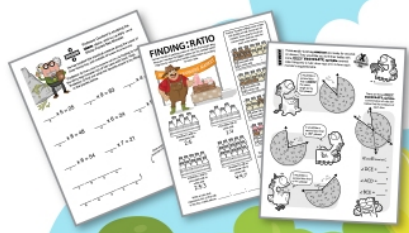
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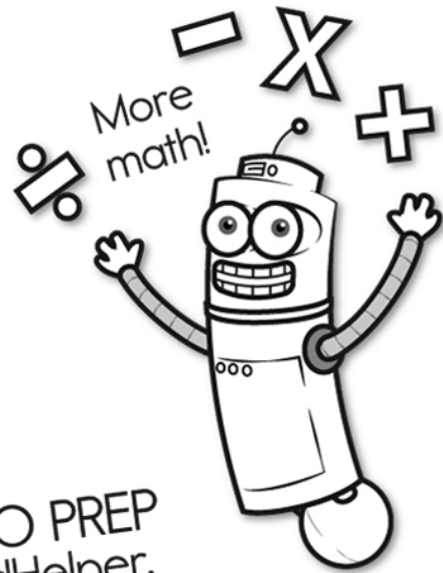
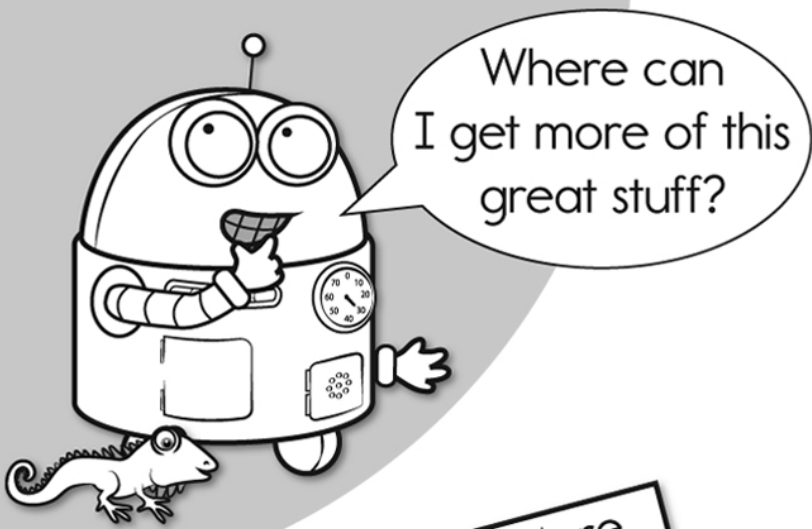
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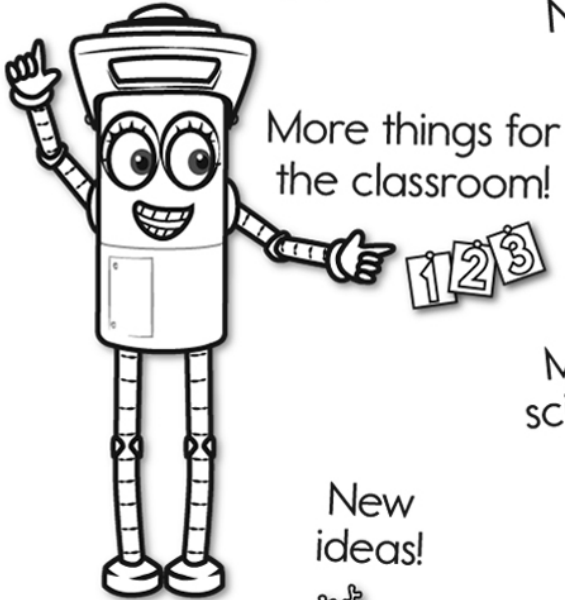
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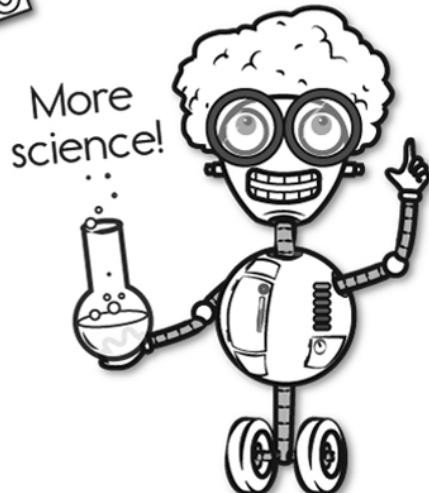


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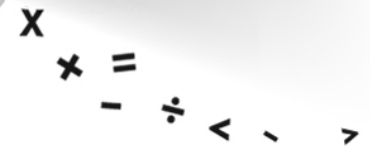


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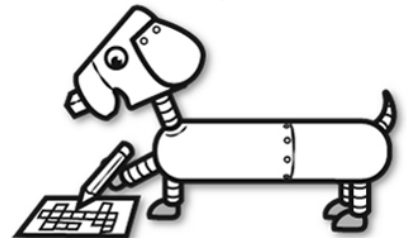


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