



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

Ready for a challenge? See how long this takes.

My starting time: \_\_\_\_\_ : \_\_\_\_\_ and \_\_\_\_\_ seconds.

My ending time: \_\_\_\_\_ : \_\_\_\_\_ and \_\_\_\_\_ seconds.

### Not Exact

### Estimate - With a Good Guess

$43 \div 5 \approx \underline{9}$

$19 \div 4 \approx \underline{5}$

$52 \div 8 \approx \underline{\quad}$

$37 \div 10 \approx \underline{\quad}$

$81 \div 11 \approx \underline{\quad}$

$103 \div 11 \approx \underline{\quad}$

$28 \div 5 \approx \underline{\quad}$

$50 \div 6 \approx \underline{\quad}$

$58 \div 9 \approx \underline{\quad}$

$32 \div 7 \approx \underline{\quad}$

$46 \div 6 \approx \underline{\quad}$

$68 \div 12 \approx \underline{\quad}$

$69 \div 7 \approx \underline{\quad}$

$44 \div 12 \approx \underline{\quad}$

$18 \div 4 \approx \underline{\quad}$

$29 \div 3 \approx \underline{\quad}$

$34 \div 10 \approx \underline{\quad}$

$41 \div 8 \approx \underline{\quad}$

$68 \div 9 \approx \underline{\quad}$

$42 \div 5 \approx \underline{\quad}$

$32 \div 5 \approx \underline{\quad}$

$83 \div 9 \approx \underline{\quad}$

$59 \div 7 \approx \underline{\quad}$

$35 \div 8 \approx \underline{\quad}$

$68 \div 12 \approx \underline{\quad}$

$94 \div 12 \approx \underline{\quad}$

$25 \div 8 \approx \underline{\quad}$

$68 \div 11 \approx \underline{\quad}$

$26 \div 3 \approx \underline{\quad}$

$21 \div 4 \approx \underline{\quad}$

$57 \div 9 \approx \underline{\quad}$

$47 \div 6 \approx \underline{\quad}$

$38 \div 4 \approx \underline{\quad}$

$34 \div 11 \approx \underline{\quad}$

$34 \div 7 \approx \underline{\quad}$

$13 \div 3 \approx \underline{\quad}$

$72 \div 10 \approx \underline{\quad}$

$82 \div 10 \approx \underline{\quad}$

$57 \div 6 \approx \underline{\quad}$

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

Cross off the number that does NOT belong.

60, 76, 88, 92, 108, 124, 140, 156, 172, 188

Why does \_\_\_\_\_ not belong in the pattern?

Cross off the number that does NOT belong.

6, 12, 19, 38, 45, 90, 97, 184, 194

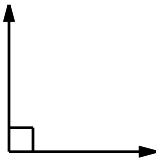
Why does \_\_\_\_\_ not belong in the pattern?

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

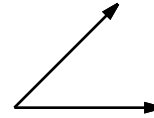
$$\begin{array}{r} 96,953 \\ - 70,121 \\ \hline \end{array}$$

Find the difference  
between 7576 and 979.

$$\begin{array}{r} 5 \\ 1 \\ 5 \\ + 2 \\ \hline \end{array}$$



What kind of angle is this?



What kind of angle is this?

Write the ratio as a fraction.  
44 dogs to 45 cats

Find 75% of 41.

Change to a percent.  
0.03

Sketch an acute angle  
named  $\angle EFG$ .

Write the supplement of  
each angle.

$108^\circ$

$34^\circ$

$69^\circ$

$145^\circ$

Use a protractor to  
draw a  $120^\circ$  angle.

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

$$\begin{array}{r} 38 \\ \times 21 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ \times 8 \\ \hline \end{array}$$

$$15 \overline{) 9060}$$

Divide and write remainder.

$$6m = 42$$

$$\frac{???}{9} = 4$$

What is the missing number?

$$\frac{N}{10} = 8$$

What is the value of N?

$$\frac{N}{2} = 10$$

$$-3 \times 11 =$$

$$-36 \div -3 =$$

$$\frac{60}{-12} =$$

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

$$\begin{array}{r} 7.2 \\ 12.6 \\ + 4.5 \\ \hline \end{array}$$

$$\begin{array}{r} 0.4 \\ 0.1 \\ + 0.6 \\ \hline \end{array}$$

What is the sum of 4.7 and 9.2?

$$7 - \underline{\quad} = 3$$

What is the missing number?

What is the greatest common factor of 6, 21, and 18?

What is the least common multiple of 2 and 10?

$$4\frac{2}{3} \times 1\frac{6}{9} =$$

$$\frac{1}{10} \times \frac{2}{4} =$$

Write the reciprocal.

$$\frac{14}{1}$$

$$17 - 15 = \underline{\quad}$$

$$17 + -15 = \underline{\quad}$$

$$5 - 8 =$$

$$-1 + 8 = \underline{\quad}$$

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

$$\begin{array}{r} 3 \\ 3 \\ + 4 \\ \hline \end{array}$$

Subtract 141 from 589.

$$\begin{array}{r} 872 \\ 854 \\ 861 \\ + \quad 4 \\ \hline \end{array}$$

Is the least common multiple of 6 and 2 smaller, equal to, or greater than the greatest common factor of 6 and 2?

What is the greatest common factor of 2 and 4?

$$m - 9 = 17$$

$$-4 - 1 =$$

$$-6 + -4 =$$

$$-10 \times -7 =$$

$$9 \overline{)9098}$$

$$4 \overline{)188}$$

Find the product of 57 and 5.

Divide and write remainder.



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

$56 \div 8 =$	<p>Alex invented a robotic bug. The bug can crawl six centimeters in sixteen seconds. How long would it take the bug to crawl forty-eight centimeters?</p>	$\begin{array}{r} 580 \\ - 374 \\ \hline \end{array}$
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<p>Write a letter that has two or more lines of symmetry.</p> <p>_____</p>	<p>For 601,637,910, write the digit that is in the ten thousands place.</p> <p>_____</p>	$\begin{array}{r} 87 \\ - 11 \\ \hline \end{array}$
--	--	---

<p>Can 358 be evenly divided by 6? Circle: 358 is NOT evenly divisible by 6 358 is evenly divisible by 6</p>	<p>1 lb = 16 oz 15 lb = _____ oz</p>
--	--

<p>How many ounces are in 9 pounds?</p> <p>_____ ounces</p>	<p>12 x 11 =</p>	$\begin{array}{r} 361 \\ + 458 \\ \hline \end{array}$
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$\begin{array}{r} 37 \\ + 47 \\ \hline \end{array}$	<p>60 ÷ 12 =</p>	<p>6 kg = _____ g</p>
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Circle the correct answer.  
I (have/halve) a surprise for you!

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

$7 \times 8 =$	Rose was given four numbers: 12, 8, 7, and 11. She needs to use two of these numbers to make a fraction. Can she make a fraction that is less than five-sixths?
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Circle the digit in the hundredths place. 139.794	Wendy has two favorite numbers. If you add her favorite numbers, you get 18. If you multiply her favorite numbers, you get 45. What are her mystery numbers? _____
$8 \times 11 =$	

Megan will win if a random number pulled out of a box is an even number. 28 pieces of paper, numbered 1 to 28, are put inside a box. What is the chance that Megan will win?	Which is the smallest? $90.1 \div 3.3$ $90.1 \div 3.4$ $90.1 \div 3.5$
	In the number 224,057,116,145, the digit 6 is in what place? _____



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

Finland, South Korea, and the Netherlands were awarded gold (5, 3, and 8), silver (2, 7, and 3), and bronze (7, 5, and 2) medals. Figure out how many of each type of medals were won by each of the three countries.

For example, country x may have won 5 gold, 3 silver, and 5 bronze medals. However, if country x won 5 gold medals, that means country z did not win 5 gold medals. Instead, country z may have won 3 gold medals.

Use the clues to figure out the number of medals awarded to each country.

1. South Korea won three bronze medals in alpine skiing as well as two bronze medals in cross-country skiing.
2. Finland won either three or five gold medals.
3. South Korea won either three or five gold medals.
4. South Korea won fewer silver medals than gold medals. South Korea also won fewer silver medals than bronze medals.
5. the Netherlands won the most gold medals.
6. the Netherlands won a total of twenty medals.
7. One country won an even number of bronze medals and three silver medals.
8. Finland won the fewest bronze medals.
9. South Korea won either two or three silver medals.
10. One country won three gold medals. The same country also won two silver medals.

Finland won \_\_\_\_\_ gold medal(s), \_\_\_\_\_ silver medal(s), and \_\_\_\_\_ bronze medal(s).

South Korea won \_\_\_\_\_ gold medal(s), \_\_\_\_\_ silver medal(s), and \_\_\_\_\_ bronze medal(s).

the Netherlands won \_\_\_\_\_ gold medal(s), \_\_\_\_\_ silver medal(s), and \_\_\_\_\_ bronze medal(s).

Circle the correctly spelled word.

My puppy is adorable, but she is also quite (naughty/notty).

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

Maria created a game where players collect stars and can trade in stars for gold coins at the shop.

Complete the table by filling in the 2 missing numbers.

<b>Stars</b>	5		15	20	25	30	35	
<b>Gold Coins</b>	1	2	3	4	5	6	7	8

The store only sells whole gold coins.

If you have 17 stars, then what is the highest number of gold coins that you could get? \_\_\_\_\_

The game will end when you get 16 gold coins.

How many stars will you need to collect before you will win? \_\_\_\_\_

Maria checked her program. It uses this equation: Stars = Gold x 5

She decided to change the program to use this equation: Stars = Gold x 7

Fill in this chart to show what the table will look like after she makes this change.

<b>Stars</b>								
<b>Gold Coins</b>								

On the planet Zinke they use Quinkoos to pay for everything.

Complete the table by filling in the 2 missing numbers.

<b>U.S. Dollars</b>	\$54	\$108		\$216		\$324	\$378
<b>Quinkoos</b>	1	2	3	4	5	6	7

Write an equation showing the relationship between U.S. Dollars and Quinkoos.

\_\_\_\_\_

When you arrived in Zinke, you were given 10 Quinkoos. You spent 4 Quinkoos and exchanged what you had left for U.S. Dollars. How much money in U.S. Dollars were you given?

\_\_\_\_\_

Draw a picture of what you think 1 Quinkoo could look like.

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

Write the decimal in words.  
0.4

Write as a decimal.  
Eight and forty-three  
hundredths

Write as a decimal.

$$20 \frac{2}{100}$$

$$22 - \frac{5}{8} =$$

Reduce  $\frac{32}{56}$  to its lowest  
terms.

$$\begin{array}{r} \frac{3}{4} \\ - \frac{3}{6} \\ \hline \end{array}$$

Sketch an acute angle  
named  $\angle ABC$ .

What angle is the  
complement of an  
angle that is  $15^\circ$ ?

Use a protractor to  
draw a  $65^\circ$  angle.

Change to a percent.  
0.01

73 is what % of 100?

8 is what % of 20?

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

Write as a decimal.

$$3\frac{8}{10}$$

Use >, <, or = to complete.

$$8.7 \text{ \_\_\_ } 9.5$$

$$5.4 \text{ \_\_\_ } 5.2$$

$$7.4 \text{ \_\_\_ } 6.8$$

$$4.5 \text{ \_\_\_ } 4.8$$

$$8.76 \text{ \_\_\_ } 8.01$$

$$0.3 \text{ \_\_\_ } 0.27$$

$$0.9 \text{ \_\_\_ } 0.84$$

Write as a decimal.

$$20\frac{664}{1000}$$

Write as a decimal.

$$\frac{3}{10}$$

Write as a decimal.  
Fifteen and eight tenths

Write the decimal in words.  
0.4

$$\begin{array}{r} 15.2 \\ - 7.7 \\ \hline \end{array}$$

$$\begin{array}{r} 0.5 \\ - 0.26 \\ \hline \end{array}$$

$$\begin{array}{r} 188.493 \\ 32.273 \\ + 78.6 \\ \hline \end{array}$$

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

Find the sum of 661 and 83.

Change  $\frac{320}{35}$  to a mixed number.

$$\begin{array}{r} 777 \\ 8,247 \\ + 291 \\ \hline \end{array}$$

Reduce  $\frac{36}{45}$  to its lowest terms.

Reduce each fraction to its lowest terms.

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

$$\frac{12}{20} =$$

$$251 \underline{\hspace{1cm}} 256.3$$

$$\frac{8}{20} =$$

$$7.4 \underline{\hspace{1cm}} 7.79$$

$$\frac{7}{14} =$$

$$14.28 \underline{\hspace{1cm}} 14.4$$

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

$$224 \underline{\hspace{1cm}} 228.18$$

$$\frac{24}{42} =$$

$$453 \underline{\hspace{1cm}} 454.61$$

$$\frac{65}{95} =$$

$$4.7 \underline{\hspace{1cm}} 4.700$$

$$5.78 \underline{\hspace{1cm}} 5.3$$

Write as a decimal.

$$17 \frac{1}{100}$$

$$\begin{array}{r} 3 \\ 8 \\ + 1 \\ \hline \end{array}$$

Write as a decimal.

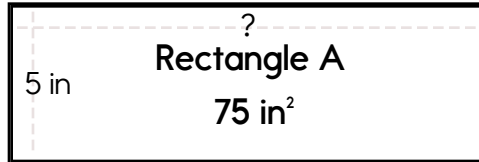
$$9 \frac{7}{10}$$

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

It's easy to figure out the area of a rectangle. You just multiply its width by its height.  
Try to find the missing number using that equation.

Hint: For these puzzles you will NEVER need to work with decimals or fractions.  
If you get a fraction, try something else!

One of the lengths is missing.



? = \_\_\_\_\_

Can 510 be evenly divided by 10? Circle:  
510 is evenly divisible by 10  
510 is NOT evenly divisible by 10

Sarah will win if a random number pulled out of a box is a multiple of 3. 39 pieces of paper, numbered 22 to 60, are put inside a box. What is the chance that Sarah will win?

What is the homophone of this word?  
aloud

\_\_\_\_\_

Write 9,748,749 in words.

\_\_\_\_\_

Circle the conjunction in the sentence.

They did not go with us, nor did they go with the Smiths.

Cross out the prepositional phrase in the sentence.

For my birthday I received golf clubs.

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

$$6 \overline{) 112}$$

$$44 \overline{) 1056}$$

$$54 \overline{) 436}$$

$$12 \overline{) 1080}$$

$$40 \overline{) 890}$$

$$60 \overline{) 540}$$

$$21 \overline{) 336}$$

$$30 \overline{) 1989}$$

$$19.7 - 5.16 =$$

$$0.38 + 9.7 + 0.6 =$$

$$\begin{array}{r} 8.1 \\ 12.9 \\ + 17.3 \\ \hline \end{array}$$

$$39 + n = 55$$

What is the value of n?

$$8 \div \frac{1}{3}$$

How many minutes is it from 8:00 a.m. to 10:15 a.m.?

What is the area of a rectangle with sides 2 cm and 7 cm?

It was 4 degrees below zero in the morning. By afternoon the temperature rose 29 degrees. How warm was it?

It was 8 degrees above zero in the morning. By afternoon the temperature rose 22 degrees. How warm was it?

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

Write the final part of each math analogy.

BQHBQH : BQH :: PKFPKF :

Explain why you think your answer is correct.

first, fourth, seventh, \_\_\_\_ : tenth :: third, sixth, ninth, \_\_\_\_ :

Explain why you think your answer is correct.

eight twos : 16 :: seven twos :

Explain why you think your answer is correct.

eight + six : 14 :: nine + eight :

Explain why you think your answer is correct.

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

### Color Squares Puzzle

Color in the number of consecutive boxes in each row and column. Double check when you are done!

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
	3	3	4	4	4	4	4	4	5	5	8	9	10	10	10
P 15															
Q 15															
R 15															
S 13		/													
T 7		/					/								
U 5		/					/								
V 5		/		/			/								
W 5		/					/								
X 4		/				/	/								
Y 3		/					/				/				

- CLUE A: Color in 3 consecutive boxes.
- CLUE B: Color in 3 consecutive boxes.
- CLUE C: Color in 4 consecutive boxes.
- CLUE D: Color in 4 consecutive boxes.
- CLUE E: Color in 4 consecutive boxes.
- CLUE F: Color in 4 consecutive boxes.
- CLUE G: Color in 4 consecutive boxes.
- CLUE H: Color in 4 consecutive boxes.
- CLUE I: Color in 5 consecutive boxes.
- CLUE J: Color in 5 consecutive boxes.
- CLUE K: Color in 8 consecutive boxes.
- CLUE L: Color in 9 consecutive boxes.
- CLUE M: Color in all the boxes in this column.
- CLUE N: Color in all the boxes in this column.

- CLUE O: Color in all the boxes in this column.
- CLUE P: Color in 15 consecutive boxes.
- CLUE Q: Color in 15 consecutive boxes.
- CLUE R: Color in 15 consecutive boxes.
- CLUE S: Color in 13 consecutive boxes.
- CLUE T: Color in 7 consecutive boxes.
- CLUE U: Color in 5 consecutive boxes.
- CLUE V: Color in 5 consecutive boxes.
- CLUE W: Color in 5 consecutive boxes.
- CLUE X: Color in 4 consecutive boxes.
- CLUE Y: Color in 3 consecutive boxes.

Don't forget to double check when you are done!

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

Use each of the blocks to spell five different words.  
Hint: The word tunes is a word in the blocks.

H
A
R
~~W~~
~~I~~
U
G
E

~~F~~
~~E~~
A
R
B
O
E

~~S~~
N
T

~~R~~
~~D~~
A
T

1.						T						
2.					S		3.	W		I	P	
4.				R	D		5.	F	E	A	R	

Try to spell some words.

~~er~~ • mo • ~~ur~~ • ~~ix~~ • ld

writer \_\_\_\_\_

Draw one line to find two words in each puzzle. The bold letters start each word.  
You can move left, right, up, or down. Write the two words that you find.

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

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

U B I T C **M** I N  
 A A O I E O R O  
 L U N L R I **D** B  
 R X E I X L N P  
 S Q O G P I A M  
 E O I O M D G U  
 U O Y I V A R I  
 E B T L Q U U E

\_\_\_\_\_

\_\_\_\_\_

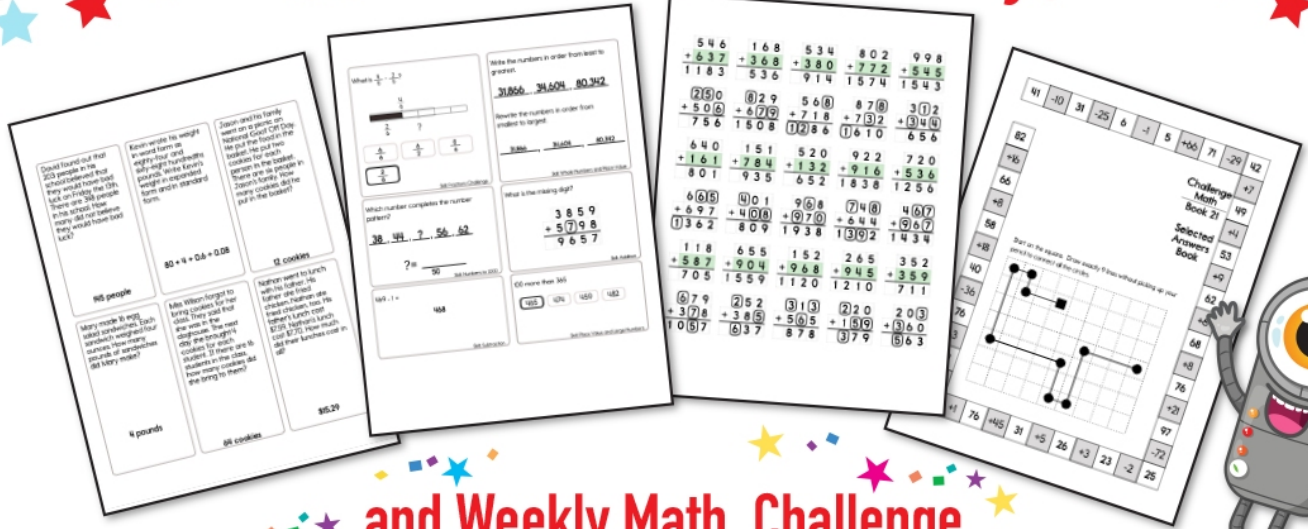
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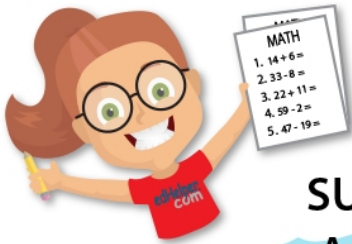
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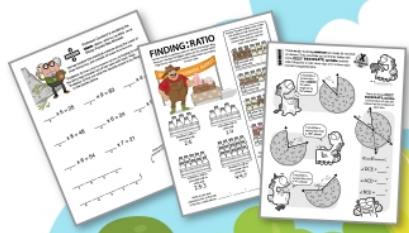
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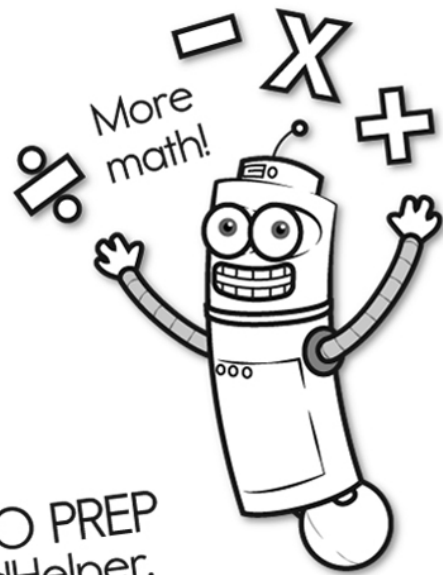
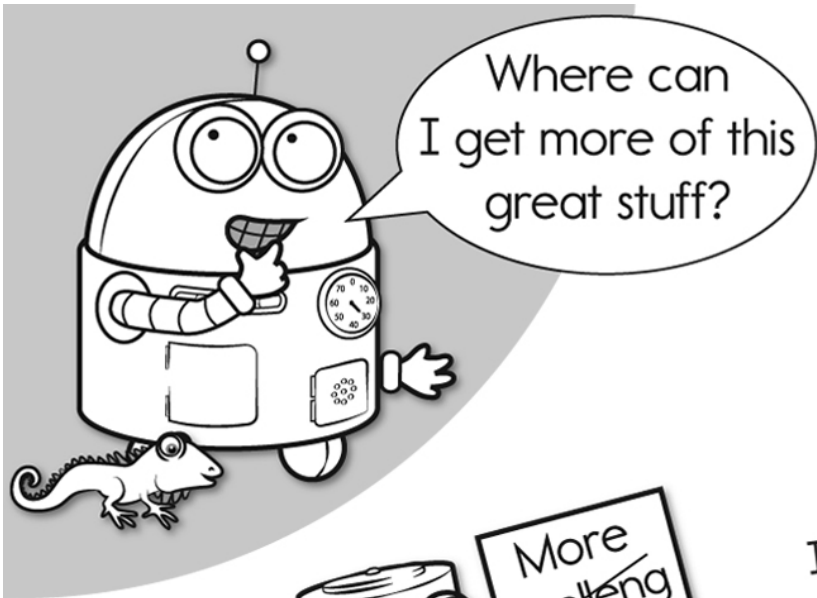
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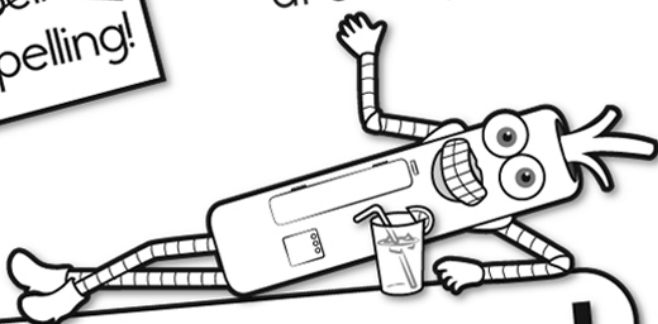


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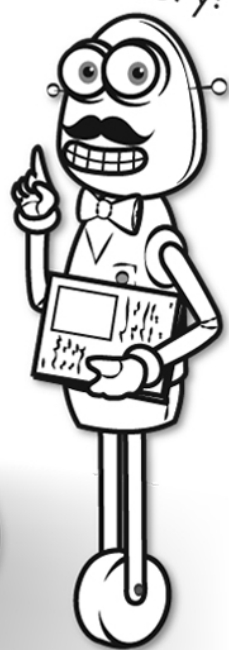


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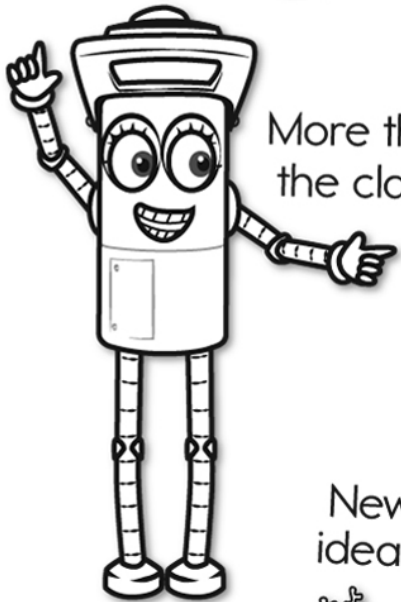
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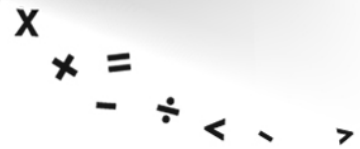
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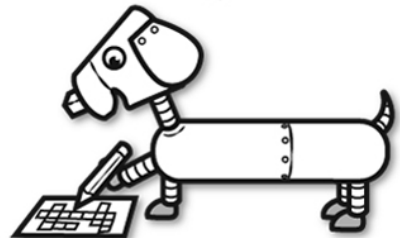
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