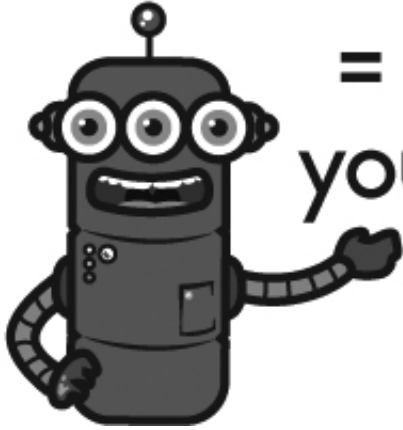


Name: _____

Mental Math

= Do it in
your head!



	+1	-1	+10	-10	+4	-4	+100
87							
68							
72							
49							
26							
730							
553							
464							
175							
221							

Name: _____

Anne works at the garden center. She counts the petals on a tree with three branches. The tree has 4 petals for each flower. She counts 3 flowers on the first branch, 11 flowers on the second branch, and 9 flowers on the third branch. How many petals does this tree have?

Mary is at the store. She is trying to buy the largest kiddie pool they sell. She found two rectangular pools. One pool is 69 inches by 81 inches. The other pool is 41 inches by 38 inches. She wants the largest pool. Which one should she buy?

Which of the following is the greatest possible 2-digit number with all different digits?

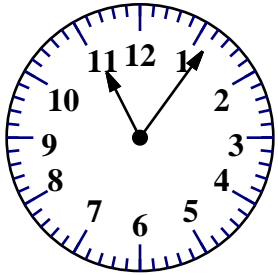
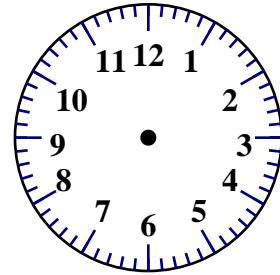
How many tens are in the number 50?

Which number has exactly 8 hundreds?

Name: _____

X	5		2		
8		56		56	56
	8×5	$8 \times \underline{\quad}$	8×2	$8 \times \underline{\quad}$	$8 \times \underline{\quad}$
	30				
	$\underline{\quad} \times 5$	$\underline{\quad} \times \underline{\quad}$	$\underline{\quad} \times 2$	$\underline{\quad} \times \underline{\quad}$	$\underline{\quad} \times \underline{\quad}$
7	35		14		
	7×5	$7 \times \underline{\quad}$	7×2	$7 \times \underline{\quad}$	$7 \times \underline{\quad}$
				14	
	$\underline{\quad} \times 5$	$\underline{\quad} \times \underline{\quad}$	$\underline{\quad} \times 2$	$\underline{\quad} \times \underline{\quad}$	$\underline{\quad} \times \underline{\quad}$
			12		
	$\underline{\quad} \times 5$	$\underline{\quad} \times \underline{\quad}$	$\underline{\quad} \times 2$	$\underline{\quad} \times \underline{\quad}$	$\underline{\quad} \times \underline{\quad}$

<p>Make a pattern. Start with 21. Subtract 6; add 8.</p> <p>_____ , _____ , _____ , _____ , _____ , _____</p>	$\begin{array}{r} 34 \\ - 31 \\ \hline \end{array}$ $\begin{array}{r} 66 \\ - 56 \\ \hline \end{array}$
---	---

<p>Write the ordinal number that comes after seventy-second.</p> <p>_____</p>	 <p>current time</p>  <p>5 minutes later</p>	$8 \overline{)64}$
---	---	--------------------

<p>If D = 8, then what does D + 5 equal?</p> <p>_____</p>	<p>Add the correct end punctuation for this sentence.</p> <p>I have English first period this year</p>
---	--

Name: _____

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

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

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

Fill in the blanks with these numbers:

4, 2, 1

	2	<input style="width: 30px; height: 20px;" type="text"/>
+	<input style="width: 30px; height: 20px;" type="text"/>	<input style="width: 30px; height: 20px;" type="text"/>
<div style="display: flex; justify-content: space-around; width: 100%;"> 4 5 </div>		

Fill in the blanks with these numbers:

5, 0, 4

<input style="width: 30px; height: 20px;" type="text"/>	4
+	3 <input style="width: 30px; height: 20px;" type="text"/>
<div style="display: flex; justify-content: space-around; width: 100%;"> 8 <input style="width: 30px; height: 20px;" type="text"/> </div>	

List the first four multiples of 9.

$1 \times 12 = \underline{\hspace{2cm}}$

Add the correct end punctuation for this sentence.

There is a gigantic spider crawling on your shoe

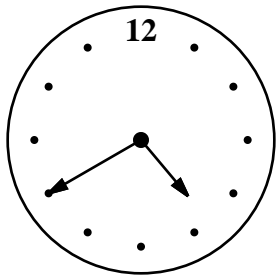
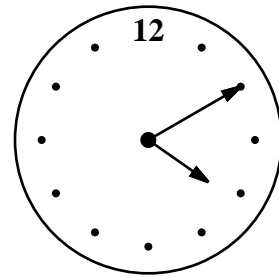
Circle the word that is a synonym for the word queasy.

sickly, comfortable, content, happy

Name: _____

<p>What number is one thousand more than 3,002?</p> <p>_____</p>	<p>Which is smaller, $\frac{2}{3}$ or $\frac{1}{9}$?</p> <p>_____</p>	<p><input type="radio"/> ruech</p> <p><input type="radio"/> reac</p> <p><input type="radio"/> raec</p> <p><input type="radio"/> reach</p>
--	--	---

<p>What are 100 tens equal to?</p> <p>_____</p>	<p>If $\square = 6$, then $2 + \square =$ _____</p>	<p><input type="radio"/> tehruhbul</p> <p><input type="radio"/> tihruhbuhl</p> <p><input type="radio"/> terrible</p> <p><input type="radio"/> terribli</p>
---	---	--

<p>The month before me has thirty days. The month after me has thirty-one days. What month am I?</p> <p>November</p> <p>December</p> <p>February</p> <p>August</p>	<div style="display: flex; justify-content: space-around;"> <div data-bbox="617 840 893 1113">  <p>current time (pm)</p> </div> <div data-bbox="941 840 1218 1113">  <p>time party starts (pm)</p> </div> </div> <p>How long until the party? _____</p>
--	--

<p>How many 8s are in 64?</p> <p>_____</p>	<p>Expand the number.</p> <p>2,178 = _____ + _____ + _____ + _____</p>
--	--

<p>$9 \overline{)63}$ $3 \overline{)15}$</p>	<p>Do you use A.M. or P.M. to write the time you eat breakfast?</p> <p>_____</p>
---	--

<p>$\begin{array}{r} 98 \\ - 58 \\ \hline \end{array}$</p>	<p>Write the number with 4 hundreds and 3 thousands.</p> <p>_____</p>	<p>This polygon has two more sides than a quadrilateral. What polygon is this?</p> <p>_____</p>
---	---	---

Name: _____

Sudoku Sums of 8

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 8.

Here is an example of a sudoku sum of 8:

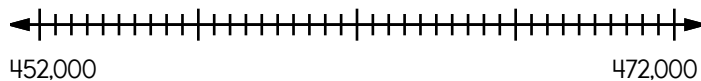


$$\begin{array}{r} 11 \\ \times 12 \\ \hline \end{array}$$

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

$$\begin{array}{r} 93 \\ + 28 \\ \hline \end{array}$$

Locate where to put the number 468,000 and label the point D.



What is the range of these numbers?

25, 20, 20, 23, 26, 23

Circle the relative adverb.
then, when, you, she

Circle the relative adverb.
why, who, how, you

Name: _____

$$\begin{array}{r} 36 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 109 \\ - 71 \\ \hline \end{array}$$

$$\begin{array}{r} 142 \\ - 64 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ + 86 \\ \hline \end{array}$$

$$\begin{array}{r} 938 \\ - 529 \\ \hline \end{array}$$

$$\begin{array}{r} 946 \\ + 346 \\ \hline \end{array}$$

$$\begin{array}{r} 379 \\ + 102 \\ \hline \end{array}$$

$$\begin{array}{r} 1,425 \\ - 819 \\ \hline \end{array}$$

$$\begin{array}{r} 3,088 \\ + 36 \\ \hline \end{array}$$

$$\begin{array}{r} 4,689 \\ + 11 \\ \hline \end{array}$$

$$\begin{array}{r} 3,769 \\ - 87 \\ \hline \end{array}$$

$$\begin{array}{r} 5,155 \\ - 52 \\ \hline \end{array}$$

$$\begin{array}{r} 9,144 \\ + 7,306 \\ \hline \end{array}$$

$$\begin{array}{r} 5,177 \\ - 2,945 \\ \hline \end{array}$$

$$\begin{array}{r} 5,950 \\ - 2,733 \\ \hline \end{array}$$

$$\begin{array}{r} 4,027 \\ - 1,166 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ + 53 \\ \hline \end{array}$$

$$\begin{array}{r} 95 \\ + 40 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ + 26 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ + 70 \\ \hline \end{array}$$

$$\begin{array}{r} 877 \\ - 99 \\ \hline \end{array}$$

$$\begin{array}{r} 930 \\ - 19 \\ \hline \end{array}$$

$$\begin{array}{r} 949 \\ - 58 \\ \hline \end{array}$$

$$\begin{array}{r} 464 \\ + 17 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ - 19 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ + 35 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ - 30 \\ \hline \end{array}$$

$$\begin{array}{r} 93 \\ + 62 \\ \hline \end{array}$$

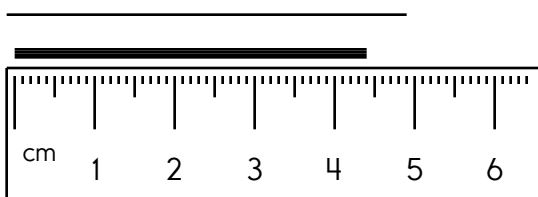
$$\begin{array}{r} 8 \\ + 5 \\ \hline \square \\ + 8 \\ \hline \square \\ + 3 \\ \hline 24 \\ - \square \\ \hline 19 \\ + 2 \\ \hline \square \\ - 7 \\ \hline \square \\ + 4 \\ \hline \square \\ + 5 \\ \hline 23 \\ + \square \\ \hline 30 \\ - \square \\ \hline 26 \\ - 9 \\ \hline \square \end{array}$$

Name: _____

5 • 5 • - • 4 • 5 • 1 • 9 • 3 • 5 • 2 • 8 • - • - • 3 • - • 0
= • 5 • - • 2

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

Write the length in millimeters.



What is the mode of these numbers?

29, 25, 15, 20, 23, 24, 23, 16, 23, 22

$$6 \overline{)48}$$

$$9 \overline{)27}$$

$$\begin{array}{r} 99 \\ + 36 \\ \hline \end{array}$$

What is the area of a square that measures 6 ft on one of its sides?

Fill in the missing fractions.

$\frac{2}{7}$, _____ , $\frac{4}{7}$, _____

Name: _____

Pay the bill!

Rent is due. Anna needs to pay her landlord \$2,000. Her landlord's name is Maria Young.

ANNA	1457
DATE _____	
PAY TO THE ORDER OF _____	\$ <input type="text"/>
_____ DOLLARS	
MEMO _____	
⑆998746094⑆	⑈48467⑈ 1457

Pay the bill!

Anna received a bill from Central Water for \$168.57. Write the check as Anna would write it.

ANNA	1458
DATE _____	
PAY TO THE ORDER OF _____	\$ <input type="text"/>
_____ DOLLARS	
MEMO _____	
⑆998746094⑆	⑈48467⑈ 1458

There are 2 groups of 3 rocks. How many rocks?

How many total legs are on 6 dogs?

$12 \times 7 =$

You need to add what to 55 to get 64?

Which number is a 2-digit odd number?

Is 21 a composite or a prime number?

Name: _____

Maria needs to buy water for the cafeteria.

"Can you please pick up 56 quarts of water?" asked the principal.

When Maria got to the store, they only sold water in gallon containers. How many gallons should she buy? (Hint: 1 gallon = 4 quarts)

The digits in a 4-digit number add up to 20. The tens digit is 8. Can you name the number?

Is there only one possible answer?

63, _____, 77, 84, 91,
98, 105, 112, 119, 126

Name the shape with eight sides and eight angles.

$$84 \div 7 =$$

Name: _____

$$\begin{array}{r} 285 \\ + 765 \\ \hline \end{array}$$

$$4 + 8 + 8 =$$

$$\begin{array}{r} 28 \\ + 48 \\ \hline \end{array}$$

$$\begin{array}{r} 39 \\ + 85 \\ \hline \end{array}$$

$$78 + 98 =$$

Find the difference between 492 and 157.

$$\begin{array}{r} 135 \\ 575 \\ + 969 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 4 \\ 9 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6,539 \\ 161 \\ + 727 \\ \hline \end{array}$$

$$\begin{array}{r} 77 \\ + 958 \\ \hline \end{array}$$

Find the sum of 20, 19, and 44.

$$\begin{array}{r} 768 \\ - 480 \\ \hline \end{array}$$

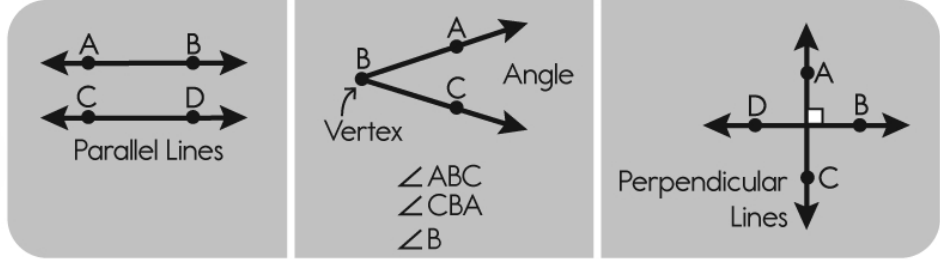
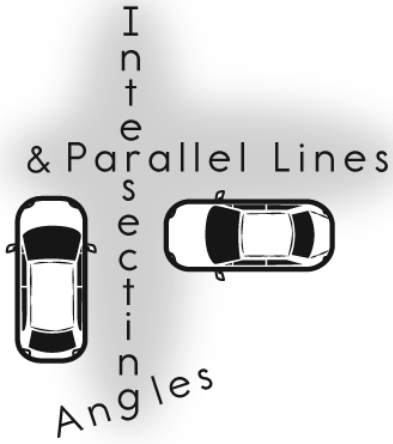
Write as a decimal.

$$11 \frac{545}{1000}$$

Write as a decimal.
Fifteen and forty-one hundredths

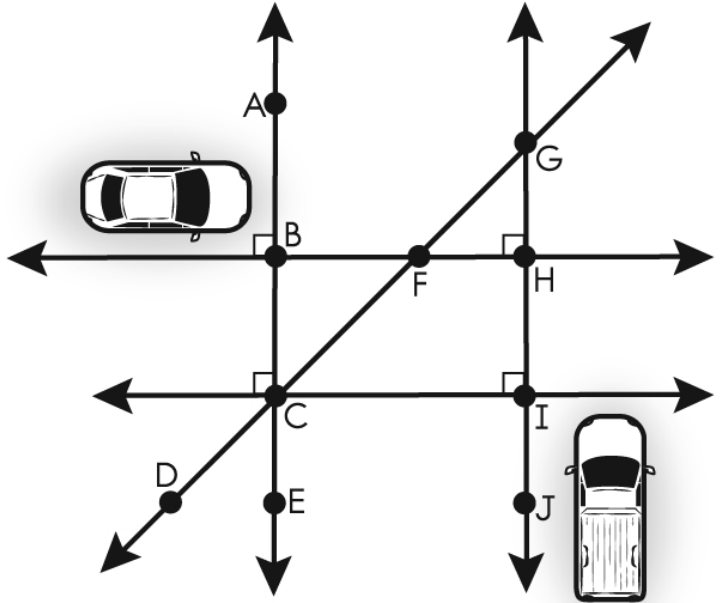
Write as a decimal.
Forty-nine thousandths

Name: _____



What line is **parallel** to BC?

What lines are **perpendicular** to BE?



What **angle** shares a **vertex** with $\angle GFH$?

What **vertex** is closest to the car?

What **vertex** is closest to the truck?

What line intersects
BC, HI, BF, and CI?

- Draw a line with two points. Label them **A** and **B**.
- Draw a perpendicular line, intersecting at **B**, with two more points. Label them **C** and **D**.
- Draw a line parallel to \overleftrightarrow{AB} intersecting at **C**. Label two more points **E** and **F**.

Name: _____

Each box needs a number from 1 to 9. You may re-use numbers.

sum of 5 →		2		sum of 9 ↓	sum of 6 ↓		
			sum of 9 ↓		4		
sum of 10 ↓		sum of 9 →			2		sum of 9 ↓
	sum of 3 →						
		sum of 7 ↓		sum of 8 ↓	sum of 7 ↓		
4	sum of 3 ↓			sum of 8 →			
				sum of 4 →		1	
sum of 5 →							

			sum of 9 ↓	sum of 9 →	3		
sum of 10 ↓	sum of 5 ↓				sum of 6 ↓		
		sum of 10 →	3	3	4		sum of 6 ↓
	2			sum of 6 →			
					sum of 10 ↓		1
			sum of 9 ↓	sum of 9 →			
		sum of 10 →	5				
sum of 10 →		5		sum of 10 →			

Write four words to describe these kinds of soap.

1. _____
2. _____
3. _____
4. _____



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What place value does the 5 have in 17,452?

Add one hundred to 749.

Name: _____

Fill in the missing numbers.

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

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

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

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

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

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

1		2	3	1
			4	2
1	3	2	3	1

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

1 2 4 3

1	3			
2	4	1		2
1	3	2	3	1

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

3 4 2 1

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

Hint - These numbers are missing:

4 1 4 4 1 3 3 4

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

Hint - These numbers are missing:

1 3 3 3 1 2 4 4

Name: _____

Each row, column, and box must have the numbers 1 through 6.

	5	2			4
4			5		
5				4	
6				5	
			6	3	

Each row, column, and box must have the numbers 1 through 6.

2					5
		3			
	6		4		
				3	
	5		6		
					2

Name: _____

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

13, 15, _____, 19, 21, 23

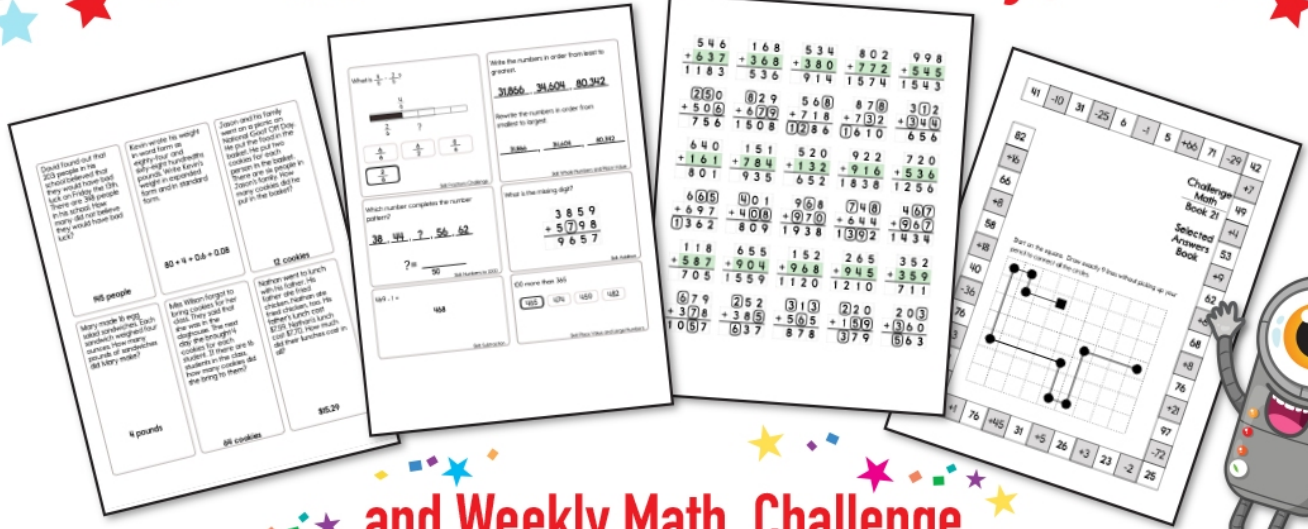
9, 11, 13, 15, _____, _____, 21, 23, _____

5, _____, _____, 11, _____, _____, 17, 19, 21

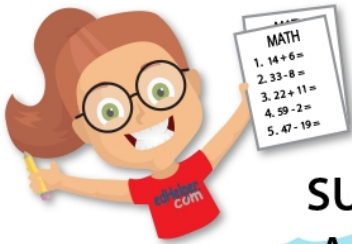
Complete each pattern. Write what the rule is.

96	88	80
72	64	
48	40	
24		8

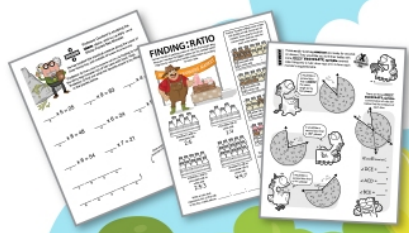
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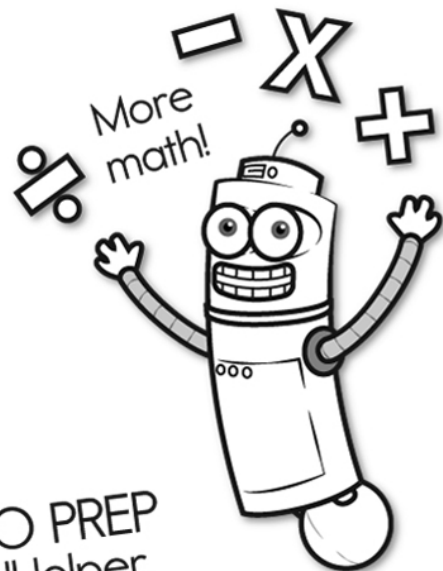
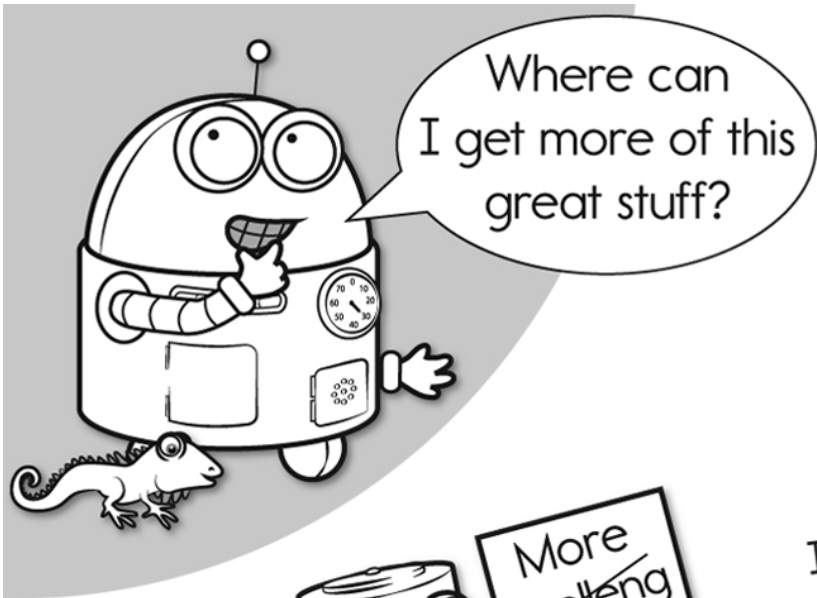
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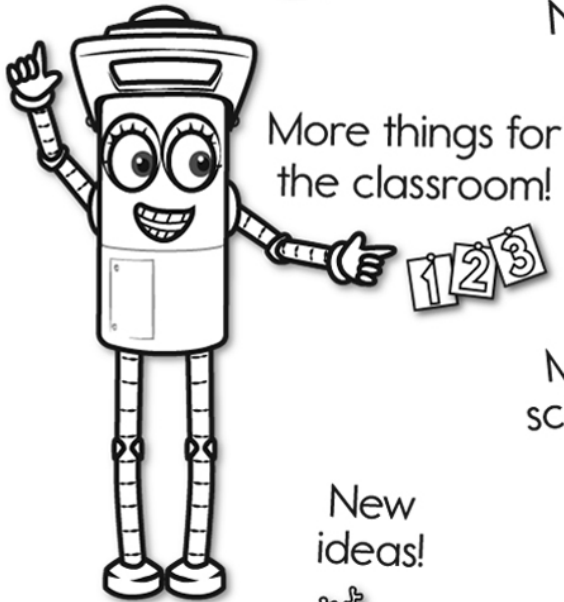


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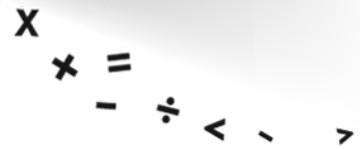
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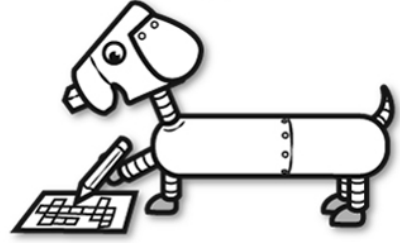
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