

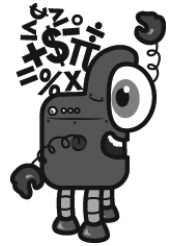
Name: \_\_\_\_\_

Mental Math

— #1 —

❖ Start with the product of 4 and 2.

8



❖ Add the number of nickels in a dollar.

\_\_\_\_\_

8 5 4 7 1 4 3 2 8 8 (Circle your answer to double check you are correct.)

❖ Add half of 10.

9 4 3 6 4 3 3 2 7 0

\_\_\_\_\_

❖ Divide by 3.

1 1 3 0 5 4 4 5 8 7

\_\_\_\_\_

❖ Add 3 hundreds.

7 6 3 1 1 1 8 5 9 9

\_\_\_\_\_

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

8 4 4 5 5 0 5 4 1 5

\_\_\_\_\_

❖ Multiply by 5.

1 1 7 2 2 5 4 6 9 2

\_\_\_\_\_

❖ Divide by 5.

7 5 5 8 4 7 9 8 8 8

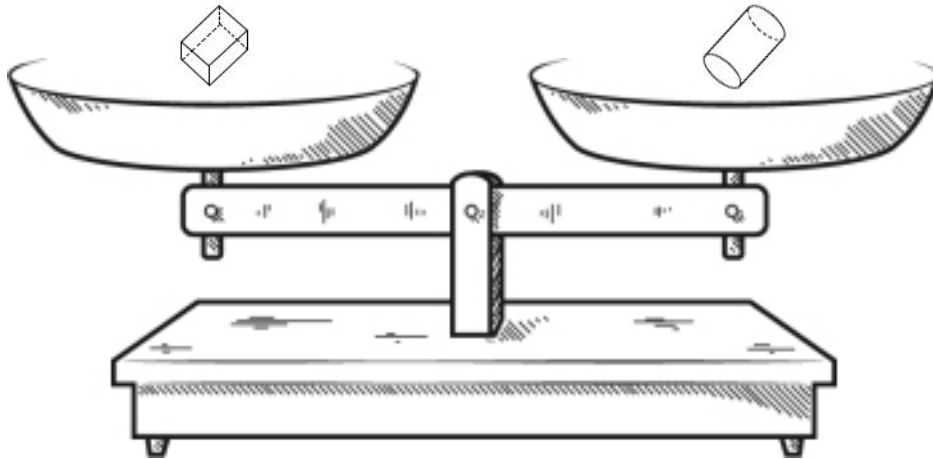
\_\_\_\_\_

❖ Multiply by 6.


1 8 6 3 0 0 5 4 2 8

\_\_\_\_\_

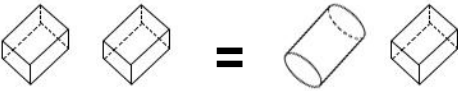
Name: \_\_\_\_\_



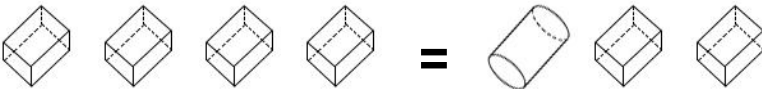
Look at the balance. What does it tell you? Write a sentence to explain.




True  False



True  False



True  False



True  False

Did you find that one is true? If not, look again!

You should only mark TRUE if you are absolutely sure it is correct!

Write an odd number.

double 800

$8 \times 8 + 8$

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

What happens when you add odd numbers?

$13 + 1 = \underline{\quad}$        $11 + 3 = \underline{\quad}$        $7 + 3 = \underline{\quad}$

$3 + 13 = \underline{\quad}$        $7 + 7 = \underline{\quad}$        $13 + 7 = \underline{\quad}$

$5 + 5 = \underline{\quad}$        $3 + 1 = \underline{\quad}$        $11 + 1 = \underline{\quad}$

When you add two odd numbers together,

the sum will always be \_\_\_\_\_.

Round 83 to the nearest 10.

$7 - 4 + 5 - 1$

Make your own  
equation.

$\underline{\quad} + 3 = \underline{\quad}$

F, H, J, \_\_\_\_\_, N, P, R, T,

V, X

Make your own  
equation.

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

9 hundreds, 4 ones

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

$6 + 3 = \boxed{\quad}$

$4 + 3 = \boxed{\quad}$

$8 - 7 = \boxed{\quad}$

$12 - 3 = \boxed{\quad}$

$3 + 1 = \boxed{\quad}$

$12 - 4 = \boxed{\quad}$

$9 - 4 = \boxed{\quad}$

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

April took home some pictures she drew at school. She found tape to put the pictures on the wall in her room. Each picture needed four pieces of tape. She used 48 inches of tape. Wow! That's a lot of tape. How many pictures did she put up. Oh, wait. You don't have enough information. Each piece of tape was 3 inches.

Use a scrap piece of paper.

The book of poems by Lewis Carroll costs \$1.70. How could Nathan pay for it using only dimes and quarters? (Hint: There is more than one way.)

Our mailman brought our mail at 12:17 p.m. yesterday. Today he brought it at 2:31 p.m. How many minutes later was the mailman today?

There are 19 children in Mr. Hall's class. Nine of them wear glasses. What fraction of the children wear glasses?

The groundhog came out of his burrow for only 0.72 minutes. Write that number as a fraction.

Farmer Fred has 31 pumpkins in his patch. Farmer Frank has 40 pumpkins in his patch. How many pumpkins do they have in all?

David put 106 boxes of Jell-O on the store shelf. The store sold 76 boxes. How many boxes were left?

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

<p>Robert had 15 puzzles. He gave <math>\frac{1}{3}</math> of them to Kevin. Nathan gave Robert 4 puzzles. How many puzzles does Robert have now?</p>	<p>The brownie baking contest is on December 9. Jack's birthday is 3 weeks later. On what date is Jack's birthday?</p>	<p>A fire truck has four wheels. How many wheels are there on four fire trucks?</p>
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$\begin{array}{r} 68 \\ - 39 \\ \hline \end{array}$	<p>Write a word to describe June. _____</p>	$\begin{array}{r} 87 \\ + 55 \\ \hline \end{array}$	<p>Color in <math>\frac{1}{5}</math>.</p> <table border="1" data-bbox="933 1144 1274 1344"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>															
$8 + \square = 38$																		

$76 - 26 = \underline{\hspace{2cm}}$	$\begin{array}{r} 66 \\ - 35 \\ \hline \end{array}$	$\begin{array}{r} 36 \\ + 51 \\ \hline \end{array}$	$\begin{array}{r} 23 \\ + 97 \\ \hline \end{array}$	$\begin{array}{r} 37 \\ + 48 \\ \hline \end{array}$
$24 + \square = 33$				

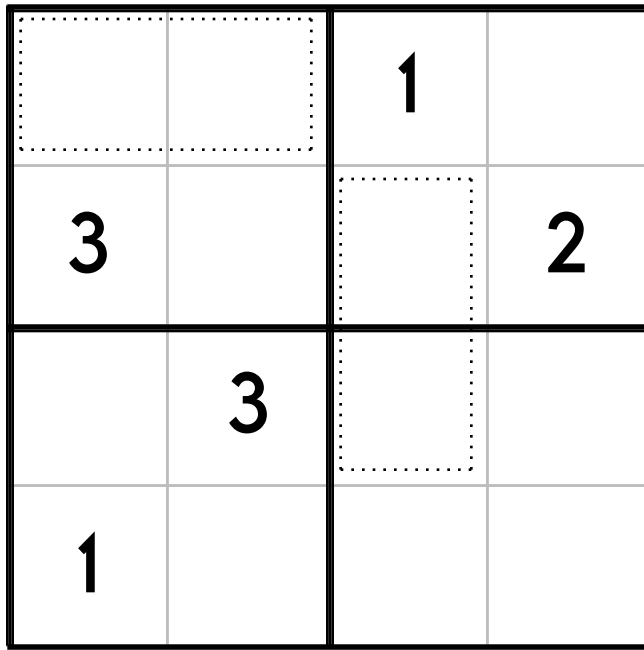
$\begin{array}{r} 39 \\ 78 \\ + 84 \\ \hline \end{array}$	$18 + 86 = \underline{\hspace{2cm}}$	<p>Round to the nearest ten.</p> <p>65,848 is rounded to _____</p> <p>4,373 is rounded to _____</p> <p>53,149 is rounded to _____</p>
$9 \times 4 = \underline{\hspace{2cm}}$		

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

### Sudoku Sums of 6

Each row, column, and box must have the numbers 1 through 4.  
Hint: Look for sudoku sums. The sum of the two boxes inside of the dashed lines is 6.

Here is an example of a sudoku sum of 6:



quilt

quilt

quilt

quilt

$$\begin{array}{r} 4 \\ x \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ x \quad 9 \\ \hline \end{array}$$

Write the final part of the math analogy.

388 : 398 :: 664 :

Explain why you think your answer is correct.

$7 \overline{)35}$

$8 \overline{)40}$

$$\begin{array}{r} 18 \\ + 42 \\ \hline \end{array}$$

$6 \overline{)24}$

$3 \overline{)24}$

$10 + \square = 19$

$8 + \square = 21$

$7 + \square = 31$









$21 + \square = 38$

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

Count by 10s.

6 16 26 36 46 56 66 76 86 96 106 116 126 136 146

Draw ONE continuous line that touches every box ONCE.  
Count by 10s. Find the box with the number 6. Move up, down, right, or left.  
Keep counting until you reach 196. Do not move into a spot with a ghost.

						196
			16	6		
			26			
			36	146		

Fill in the blanks with these numbers:

3, 3, 8

$$5 \square 9$$

$$- 2 \square 2$$

$$\square 5 7$$

Fill in the blanks with these numbers:

8, 3, 5

$$9 6 8$$

$$- \square \square 5$$

$$1 1 \square$$

$$5 \overline{)25}$$

$$3 \overline{)18}$$

$$6 \overline{)36}$$

$$7 \overline{)14}$$

$$96 - 87 = \underline{\quad}$$

$$38 + 23 = \underline{\quad}$$

$$42 + 96 = \underline{\quad}$$

Expand the number.

$$936 = \underline{\quad} + \underline{\quad} + \underline{\quad}$$

Write a word that can be found between the dictionary guide words shove and stuff.

\_\_\_\_\_

$$4 + \square = 6$$

$$10 + \square = 36$$

$$13 + \square = 24$$

$$5 + \square = 25$$

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

$$\begin{array}{r} 162 \\ - 89 \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ + 55 \\ \hline \end{array}$$

$$\begin{array}{r} 68 \\ + 58 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ - 64 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ + 36 \\ \hline \end{array}$$

$$\begin{array}{r} 135 \\ - 79 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ + 70 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ - 26 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ + 37 \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ - 12 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ + 44 \\ \hline \end{array}$$

$$\begin{array}{r} 120 \\ - 43 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ + 91 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ - 36 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ + 87 \\ \hline \end{array}$$

$$\begin{array}{r} 170 \\ - 87 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ + 29 \\ \hline \end{array}$$

$$\begin{array}{r} 140 \\ - 99 \\ \hline \end{array}$$

$$\begin{array}{r} 88 \\ + 68 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ + 24 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ - 50 \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ - 50 \\ \hline \end{array}$$

$$\begin{array}{r} 104 \\ - 88 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ + 31 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ + 13 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ - 14 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 61 \\ \hline \end{array}$$

$$\begin{array}{r} 79 \\ - 63 \\ \hline \end{array}$$

$$\begin{array}{r} 163 \\ - 87 \\ \hline \end{array}$$

$$\begin{array}{r} 120 \\ - 35 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ - 21 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ + 87 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ + 82 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ - 22 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ + 61 \\ \hline \end{array}$$

$$\begin{array}{r} 93 \\ - 70 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ - 62 \\ \hline \end{array}$$

$$\begin{array}{r} 73 \\ - 33 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ + 68 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ + 36 \\ \hline \end{array}$$

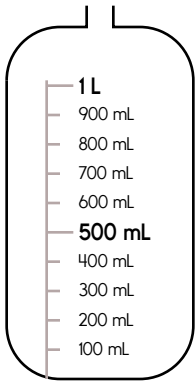
$$\begin{array}{r} 97 \\ + 44 \\ \hline \end{array}$$

8
+ 4
_____
+ 4
_____
+ 5
_____
21
- _____
_____
16
+ _____
_____
22
- _____
_____
14
+ 2
_____
_____
+ 6
_____
22
+ _____
_____
31
+ _____
_____
34
- 8
_____
_____

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

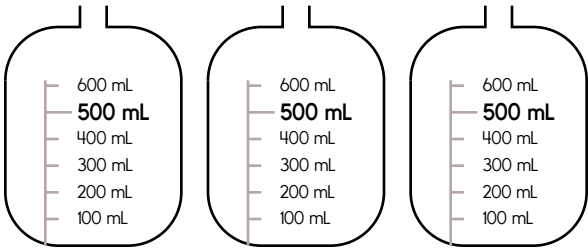
Color in 700 mL.

You want to take what you have in this jar and fill 235 mL cups. How many cups can you fill?



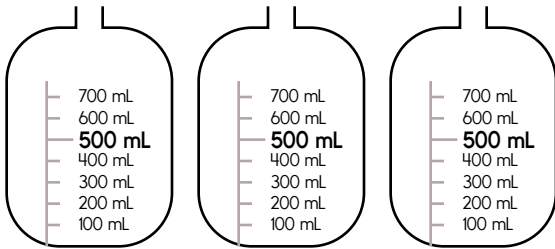
A jar with a scale from 100 mL to 1 L. The 500 mL mark is highlighted.

Color in a total of 700 mL. You will need to use more than one bottle to make this sum.



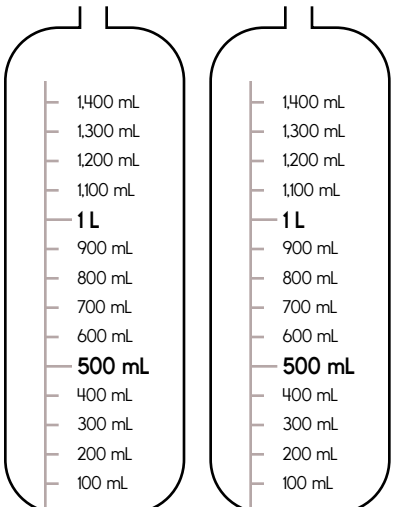
Three jars, each with a scale from 100 mL to 600 mL. The 500 mL mark is highlighted on each.

Color in a total of 2 L. You will need to use more than one bottle to make this sum.



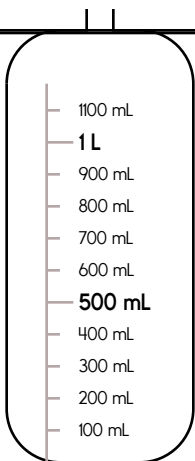
Three jars, each with a scale from 100 mL to 700 mL. The 500 mL mark is highlighted on each.

Color in a total of 1,700 mL. You will need to use more than one bottle to make this sum.



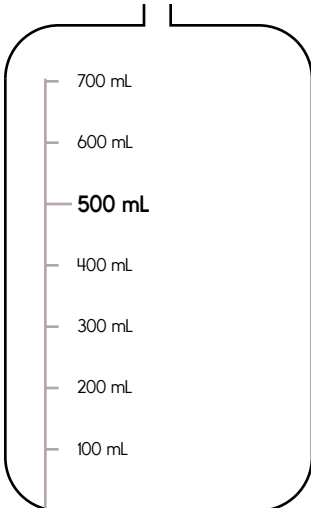
Two large jars, each with a scale from 100 mL to 1,400 mL. The 500 mL mark is highlighted on each.

Amanda filled this bottle up to the line. It went past the measurement lines. Give an estimate for how much she filled the bottle.



A bottle with a scale from 100 mL to 1 L. A horizontal line is drawn above the 1 L mark, indicating the liquid level.

Color in 150 mL.



A large jar with a scale from 100 mL to 700 mL. The 500 mL mark is highlighted.

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

Mental Math

— #1 —

◆ Start with the sum of 9 and 2.

11

◆ Increase that number by 9.

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

\_\_\_\_\_

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

6 4 4 5 9 3 8 2 5 1

\_\_\_\_\_

◆ Increase that number by 3.

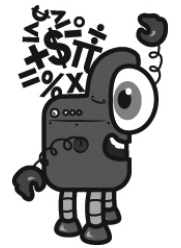
3 0 9 1 2 9 1 2 5 0

\_\_\_\_\_

◆ Multiply by 2.

7 1 0 4 2 5 5 6 6 1

\_\_\_\_\_



Mental Math

— #2 —

☀ Start with the number 525.

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

\_\_\_\_\_

☀ Add half of 4.

1 7 8 8 6 5 2 7 2 6

\_\_\_\_\_

☀ Increase that number by 3.

3 6 5 3 0 1 8 1 6 0

\_\_\_\_\_

☀ Subtract 5.

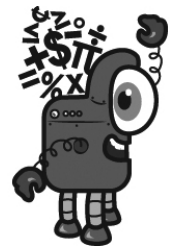
7 5 2 5 4 4 3 7 5 7

\_\_\_\_\_


☀ Add the number of inches in 1 foot.

2 2 9 5 6 3 5 3 7 3

\_\_\_\_\_



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



**25¢**




**\$1**




**\$** \_\_\_\_\_



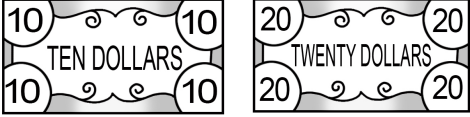
**¢** \_\_\_\_\_



**\$** \_\_\_\_\_




**¢** \_\_\_\_\_



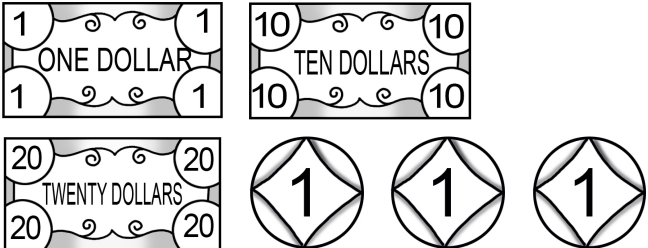
**\$** \_\_\_\_\_




**\$10.05**



**\$** \_\_\_\_\_



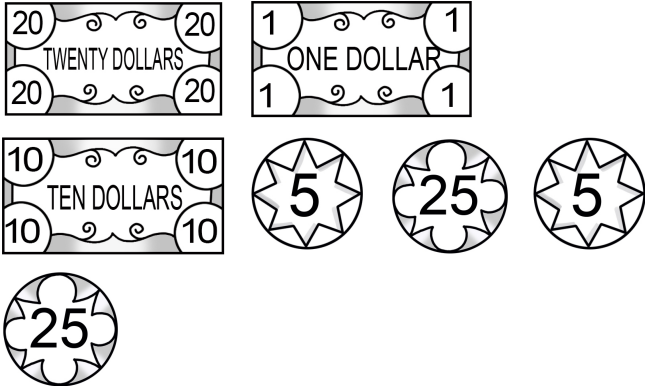
**\$** \_\_\_\_\_



**\$** \_\_\_\_\_



**\$** \_\_\_\_\_



**\$** \_\_\_\_\_

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

Is 2537 closer to 2490 or 2590?

$$\begin{array}{r} 2537 \\ - 2490 \\ \hline \end{array} \qquad \begin{array}{r} 2590 \\ - 2537 \\ \hline \end{array}$$

2537 is \_\_\_\_\_ away from 2490.

2537 is \_\_\_\_\_ away from 2590.

2537 is closest to \_\_\_\_\_.

Is 4059 closer to 3990 or 4090?

$$\begin{array}{r} 4059 \\ - 3990 \\ \hline \end{array} \qquad \begin{array}{r} 4090 \\ - 4059 \\ \hline \end{array}$$

4059 is \_\_\_\_\_ away from 3990.

4059 is \_\_\_\_\_ away from 4090.

4059 is closest to \_\_\_\_\_.

Is 547 closer to 500 or 600?

$$\begin{array}{r} 547 \\ - 500 \\ \hline \end{array} \qquad \begin{array}{r} 600 \\ - 547 \\ \hline \end{array}$$

547 is \_\_\_\_\_ away from 500.

547 is \_\_\_\_\_ away from 600.

547 is closest to \_\_\_\_\_.

Is 262 closer to 200 or 300?

$$\begin{array}{r} 262 \\ - 200 \\ \hline \end{array} \qquad \begin{array}{r} 300 \\ - 262 \\ \hline \end{array}$$

262 is \_\_\_\_\_ away from 200.

262 is \_\_\_\_\_ away from 300.

262 is closest to \_\_\_\_\_.

Is 473 closer to 400 or 500?

$$\begin{array}{r} 473 \\ - 400 \\ \hline \end{array} \qquad \begin{array}{r} 500 \\ - 473 \\ \hline \end{array}$$

473 is \_\_\_\_\_ away from 400.

473 is \_\_\_\_\_ away from 500.

473 is closest to \_\_\_\_\_.

Is 6464 closer to 5840 or 6840?

$$\begin{array}{r} 6464 \\ - 5840 \\ \hline \end{array} \qquad \begin{array}{r} 6840 \\ - 6464 \\ \hline \end{array}$$

6464 is \_\_\_\_\_ away from 5840.

6464 is \_\_\_\_\_ away from 6840.

6464 is closest to \_\_\_\_\_.

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

Round each number to the nearest hundreds. Add or subtract to get an estimate of the answer.

$$\begin{array}{r} 923 \longrightarrow \boxed{900} \\ + 272 \longrightarrow \boxed{300} \\ \hline 1200 \end{array}$$

$$\begin{array}{r} 789 \longrightarrow \boxed{\phantom{000}} \\ - 279 \longrightarrow \boxed{\phantom{000}} \\ \hline \end{array}$$

$$\begin{array}{r} 578 \longrightarrow \boxed{\phantom{000}} \\ - 394 \longrightarrow \boxed{\phantom{000}} \\ \hline \end{array}$$

$$\begin{array}{r} 223 \longrightarrow \boxed{\phantom{000}} \\ + 178 \longrightarrow \boxed{\phantom{000}} \\ \hline \end{array}$$

$$\begin{array}{r} 505 \longrightarrow \boxed{\phantom{000}} \\ - 324 \longrightarrow \boxed{\phantom{000}} \\ \hline \end{array}$$

$$\begin{array}{r} 352 \longrightarrow \boxed{\phantom{000}} \\ - 227 \longrightarrow \boxed{\phantom{000}} \\ \hline \end{array}$$

$$\begin{array}{r} 286 \longrightarrow \boxed{\phantom{000}} \\ + 824 \longrightarrow \boxed{\phantom{000}} \\ \hline \end{array}$$

$$\begin{array}{r} 202 \longrightarrow \boxed{\phantom{000}} \\ + 672 \longrightarrow \boxed{\phantom{000}} \\ \hline \end{array}$$

$$\begin{array}{r} 845 \longrightarrow \boxed{\phantom{000}} \\ + 739 \longrightarrow \boxed{\phantom{000}} \\ \hline \end{array}$$

$$\begin{array}{r} 978 \longrightarrow \boxed{\phantom{000}} \\ + 161 \longrightarrow \boxed{\phantom{000}} \\ \hline \end{array}$$

$$\begin{array}{r} 698 \longrightarrow \boxed{\phantom{000}} \\ - 453 \longrightarrow \boxed{\phantom{000}} \\ \hline \end{array}$$

$$\begin{array}{r} 665 \longrightarrow \boxed{\phantom{000}} \\ - 182 \longrightarrow \boxed{\phantom{000}} \\ \hline \end{array}$$

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

Round to the nearest hundred.

$$\begin{array}{r} 848 \rightarrow \boxed{800} \\ - 418 \rightarrow \boxed{400} \\ \hline \end{array}$$

$$\begin{array}{r} 102 \rightarrow \boxed{\phantom{000}} \\ + 96 \rightarrow \boxed{\phantom{000}} \\ \hline \end{array}$$

$$\begin{array}{r} 841 \rightarrow \boxed{\phantom{000}} \\ + 196 \rightarrow \boxed{\phantom{000}} \\ \hline \end{array}$$

Round to the nearest ten.

$$\begin{array}{r} 63 \rightarrow \boxed{60} \\ - 8 \rightarrow \boxed{10} \\ \hline \end{array}$$

$$\begin{array}{r} 38 \rightarrow \boxed{\phantom{00}} \\ + 10 \rightarrow \boxed{\phantom{00}} \\ \hline \end{array}$$

$$\begin{array}{r} 40 \rightarrow \boxed{\phantom{00}} \\ + 53 \rightarrow \boxed{\phantom{00}} \\ \hline \end{array}$$

Round to the nearest hundred.

$$\begin{array}{r} 598 \rightarrow \boxed{600} \\ - 543 \rightarrow \boxed{500} \\ \hline \end{array}$$

$$\begin{array}{r} 592 \rightarrow \boxed{\phantom{000}} \\ + 243 \rightarrow \boxed{\phantom{000}} \\ \hline \end{array}$$

$$\begin{array}{r} 809 \rightarrow \boxed{\phantom{000}} \\ - 790 \rightarrow \boxed{\phantom{000}} \\ \hline \end{array}$$

Round to the nearest ten.

$$\begin{array}{r} 641 \rightarrow \boxed{640} \\ + 289 \rightarrow \boxed{290} \\ \hline \end{array}$$

$$\begin{array}{r} 948 \rightarrow \boxed{\phantom{000}} \\ - 834 \rightarrow \boxed{\phantom{000}} \\ \hline \end{array}$$

$$\begin{array}{r} 519 \rightarrow \boxed{\phantom{000}} \\ + 643 \rightarrow \boxed{\phantom{000}} \\ \hline \end{array}$$

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

7 9 8
9 7 2
7 4 9
2 2 5

\_\_\_\_\_ < \_\_\_\_\_ < \_\_\_\_\_ < 972

8 4 5
8 0 5
8 1 5
8 6 5

\_\_\_\_\_ < \_\_\_\_\_ < \_\_\_\_\_ < \_\_\_\_\_

3 3 2
2 8 4
9 0 6
8 4 8

\_\_\_\_\_ < \_\_\_\_\_ < \_\_\_\_\_ < \_\_\_\_\_

4 6 6
5 4 2
3 9 7
7 3 6

\_\_\_\_\_ > \_\_\_\_\_ > \_\_\_\_\_ > \_\_\_\_\_

Write the final part of each math analogy.

15 dice in 3 bags : 5 :: 48 dice in 6 bags :

Explain why you think your answer is correct.

born in 2016 : 5 candles on birthday cake in 2021 :: born in 2013 :

Explain why you think your answer is correct.

9 +  = 19

16 +  = 35

9 +  = 39

27 +  = 34

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

shall • coffees • naughty • churn

Each row, column, and box must have all the words from the word list. Write in the missing words.

coffees		churn	
churn			
	naughty		

$$\begin{array}{r} 4016 \\ + \quad \quad 92 \\ \hline \end{array}$$

$$\begin{array}{r} 6472 \\ + \quad \quad 12 \\ \hline \end{array}$$

$$\begin{array}{r} 7601 \\ + \quad \quad 20 \\ \hline \end{array}$$

$$\begin{array}{r} 3886 \\ - \quad \quad 56 \\ \hline \end{array}$$

Fill in the boxes so each line equals 13.

13		
<input type="text"/>	÷	4
<input type="text"/>	×	1
14	-	<input type="text"/>
( 15 + <input type="text"/> )	-	<input type="text"/>
1	+	<input type="text"/> × <input type="text"/>

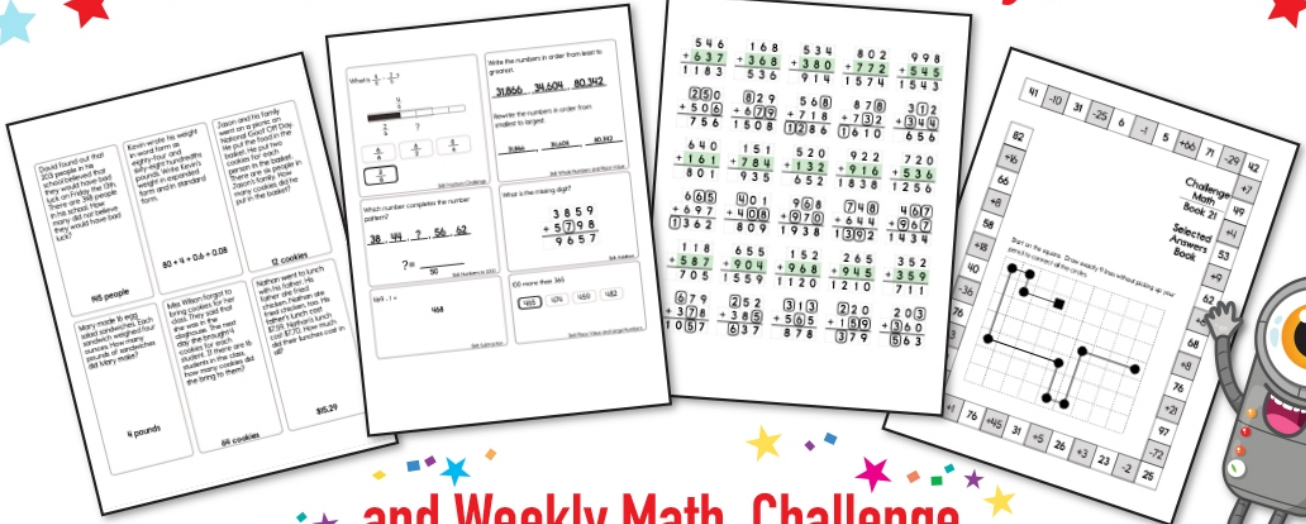
$$\begin{array}{r} 93 \\ - 57 \\ \hline \end{array}$$

You ask Megan for the time. She says in seven minutes it will be ten. Write the time on your digital clock:

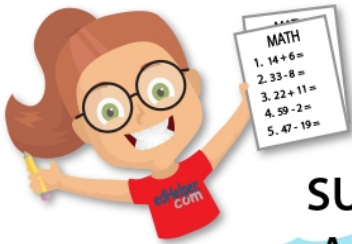
:

1 × 9 = <input style="width: 50px;" type="text"/>	2 × 7 = <input style="width: 50px;" type="text"/>	6 + 5 = <input style="width: 50px;" type="text"/>	8 + 8 = <input style="width: 50px;" type="text"/>
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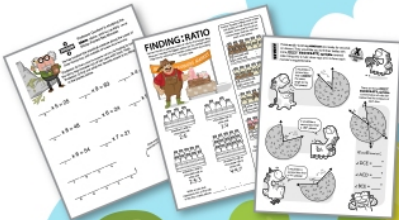
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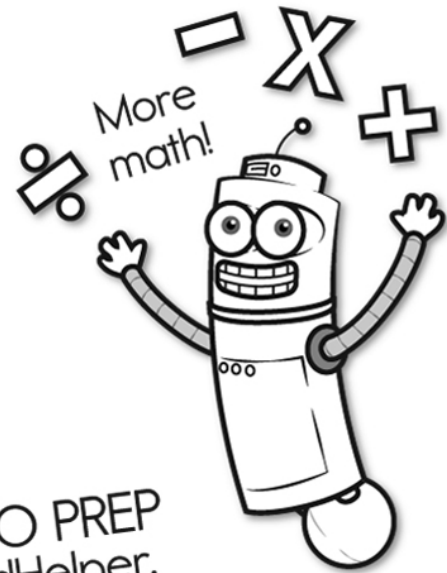
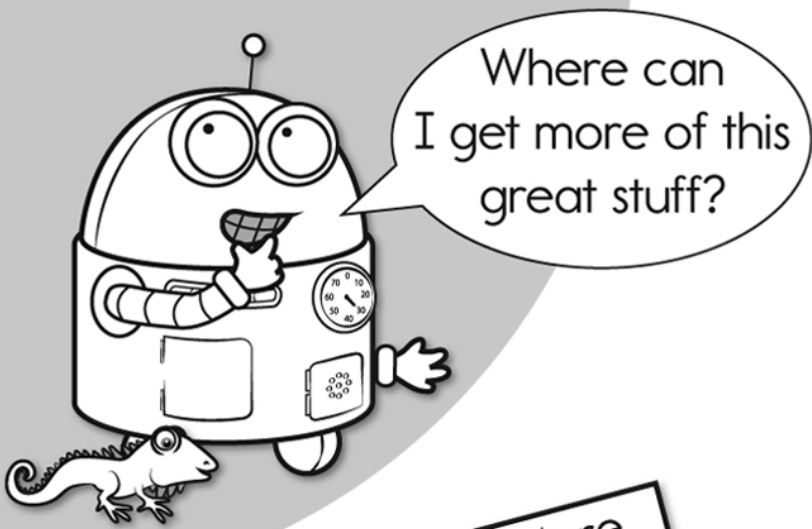
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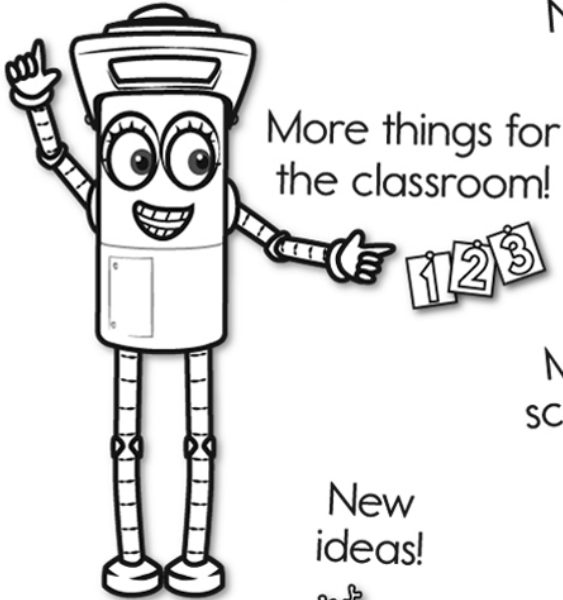
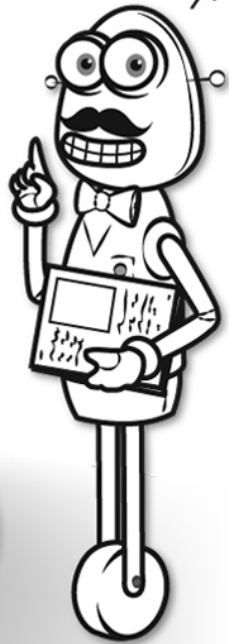
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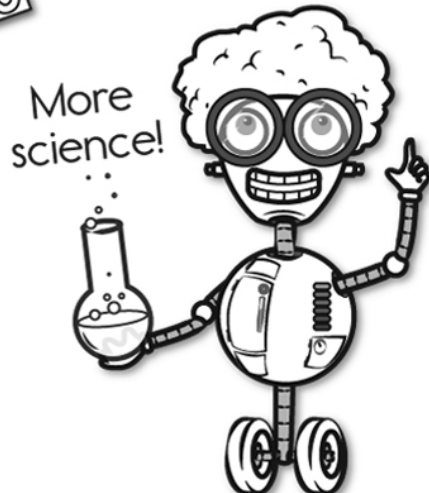


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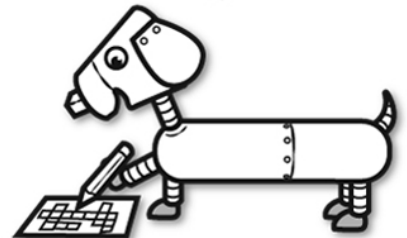


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