

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

Mental Math

— #1 —

- ◆ Start with the number 635.

635



- ◆ Add the number of cups in 1 quart.

7 6 6 3 9 1 2 0 1 1 (Circle your answer to double check you are correct.) \_\_\_\_\_

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

8 1 6 6 1 8 1 2 2 4 \_\_\_\_\_

- ◆ Subtract 4.

1 1 4 8 8 5 9 5 2 9 \_\_\_\_\_

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

5 5 3 4 9 5 1 0 2 9 \_\_\_\_\_

- ◆ Add a dozen.

2 1 4 1 7 2 7 4 1 8 \_\_\_\_\_

- ◆ Add the number of inches in 1 foot.

2 9 7 6 4 9 8 7 3 3 \_\_\_\_\_

- ◆ Add the number of days in a week.

5 7 7 2 4 7 9 3 6 1 \_\_\_\_\_

- ◆ Round that number to the nearest ten.

2 6 8 0 4 3 4 0 9 2 \_\_\_\_\_

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

Holly is 58 inches tall. Amanda is exactly 5 feet tall. Who is taller? By how much?

How old is John? All you know is that his age is a two-digit number in which the sum of the tens and ones is 11. Can you list five different possible ages?

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

Jacob and his friends decided to go to the pool on Friendship Day. The pool might be warm from the sun, but it would be cooler than the air! On Friendship Day, the air temperature was 103.4 degrees. The water temperature was 88.6 degrees. How much warmer was the air than the water?

Their pet fish knew it wasn't right. He knew the Cat shouldn't do those things. The pet fish just knew there would be trouble. There was fish food all over the floor. They would have to buy more! Fish food costs \$0.45. If Conrad gave the clerk \$1, how much change would he get?

How old is John? All you know is that his age is a two-digit number in which the sum of the tens and ones is 6. Can you list three different possible ages?

Mrs. Lee wrote the numbers 4 and 20 on the board. She always had a weird way to teach math. "Now, class," said Mrs. Lee. "My printer is broken. Please write your own math problem using these numbers."

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


X	4			3	
3	12		6		
	$3 \times 4$	$3 \times \underline{\quad}$	$3 \times \underline{\quad}$	$3 \times 3$	$3 \times \underline{\quad}$
9		36			9
	$9 \times 4$	$9 \times \underline{\quad}$	$9 \times \underline{\quad}$	$9 \times 3$	$9 \times \underline{\quad}$
	24				
	$\underline{\quad} \times 4$	$\underline{\quad} \times \underline{\quad}$	$\underline{\quad} \times \underline{\quad}$	$\underline{\quad} \times 3$	$\underline{\quad} \times \underline{\quad}$
4	16	16		12	4
	$4 \times 4$	$4 \times \underline{\quad}$	$4 \times \underline{\quad}$	$4 \times 3$	$4 \times \underline{\quad}$
	8				
	$\underline{\quad} \times 4$	$\underline{\quad} \times \underline{\quad}$	$\underline{\quad} \times \underline{\quad}$	$\underline{\quad} \times 3$	$\underline{\quad} \times \underline{\quad}$

$\begin{array}{r} 10 \\ 22 \\ + 24 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ 37 \\ + 40 \\ \hline \end{array}$	$\begin{array}{r} 56 \\ - 40 \\ \hline \end{array}$	$\begin{array}{r} 57 \\ - 49 \\ \hline \end{array}$	$\begin{array}{r} 88 \\ - 52 \\ \hline \end{array}$	$\begin{array}{r} 65 \\ - 21 \\ \hline \end{array}$
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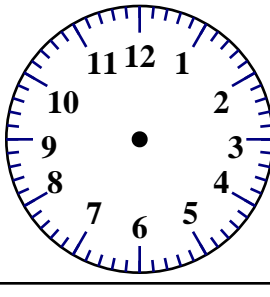
<p>Fill in the blanks with these numbers: <b>8, 8, 8</b></p> <table style="width: 100%; text-align: center;"> <tr> <td><input style="width: 40px; height: 30px;" type="text"/></td> <td><input style="width: 40px; height: 30px;" type="text"/></td> <td><input style="width: 40px; height: 30px;" type="text"/></td> </tr> <tr> <td>+</td> <td>1</td> <td>0</td> <td>7</td> </tr> <tr> <td colspan="4"><hr/></td> </tr> <tr> <td></td> <td>9</td> <td>9</td> <td>5</td> </tr> </table>	<input style="width: 40px; height: 30px;" type="text"/>	<input style="width: 40px; height: 30px;" type="text"/>	<input style="width: 40px; height: 30px;" type="text"/>	+	1	0	7	<hr/>					9	9	5	<p>Fill in the blanks with these numbers: <b>9, 4, 0</b></p> <table style="width: 100%; text-align: center;"> <tr> <td><input style="width: 40px; height: 30px;" type="text"/></td> <td><input style="width: 40px; height: 30px;" type="text"/></td> <td>7</td> </tr> <tr> <td>+</td> <td>5</td> <td>6</td> <td>2</td> </tr> <tr> <td colspan="4"><hr/></td> </tr> <tr> <td><input style="width: 40px; height: 30px;" type="text"/></td> <td>6</td> <td>9</td> </tr> </table>	<input style="width: 40px; height: 30px;" type="text"/>	<input style="width: 40px; height: 30px;" type="text"/>	7	+	5	6	2	<hr/>				<input style="width: 40px; height: 30px;" type="text"/>	6	9	<p>What fraction of the box is shaded?</p> <table style="width: 100%; text-align: center;"> <tr> <td><input style="width: 30px; height: 30px;" type="text"/></td> </tr> <tr> <td><hr style="width: 50%; margin: 0 auto;"/></td> </tr> <tr> <td>3</td> </tr> </table> <p>20 + <input style="width: 40px; height: 30px;" type="text"/> = 29</p>	<input style="width: 30px; height: 30px;" type="text"/>	<hr style="width: 50%; margin: 0 auto;"/>	3
<input style="width: 40px; height: 30px;" type="text"/>	<input style="width: 40px; height: 30px;" type="text"/>	<input style="width: 40px; height: 30px;" type="text"/>																																
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3																																		

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

<p>Eric likes Jell-O. He likes grape Jell-O best. He bought 4 boxes. Each box costs 52 cents. How much do 4 boxes cost?</p>	<p>Jason made 15 cups of popcorn. He put an equal amount in each of 5 bowls. How many cups did he put in each bowl?</p>	<p>Alex bought some blueberries. They cost 87¢. He gave the clerk 4 quarters. How much change will he get?</p>
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$\begin{array}{r} 99 \\ - 12 \\ \hline \end{array}$	 <p>Write this number using words.</p>	$74 - 8 = \underline{\hspace{2cm}}$ $14 + \square = 17$
---	---	--

$\begin{array}{r} 32 \\ - 24 \\ \hline \end{array}$	$14 + 2 = \underline{\hspace{2cm}}$	$\begin{array}{r} 22 \\ + 11 \\ \hline \end{array}$	$\begin{array}{r} 82 \\ - 26 \\ \hline \end{array}$	<input type="radio"/> candy <input type="radio"/> kundoe <input type="radio"/> kandeia <input type="radio"/> kandee
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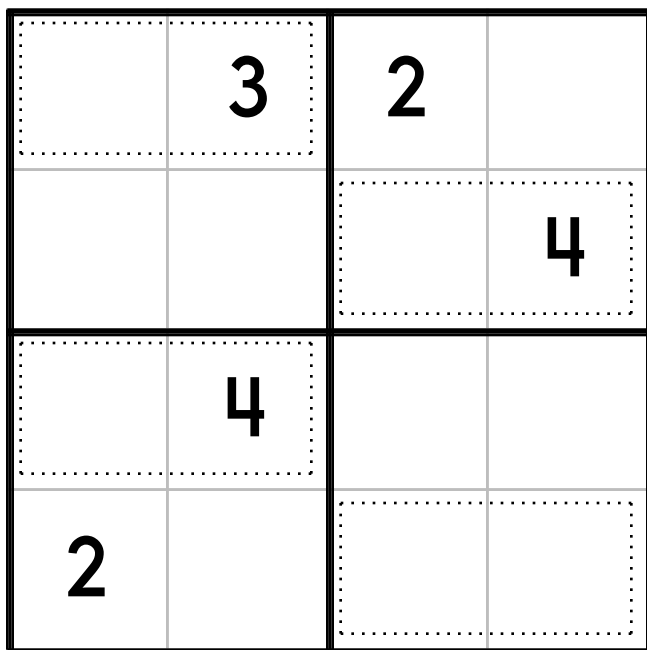
<p>06:15</p>		<input type="radio"/> vegeteble <input type="radio"/> vegetable <input type="radio"/> vegetable <input type="radio"/> vegetable
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Name: \_\_\_\_\_

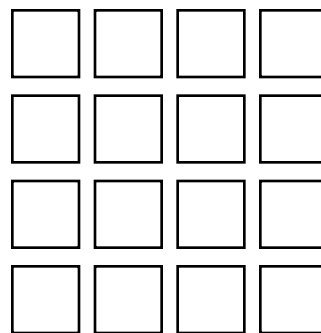
### Sudoku Sums of 7

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 7.

Here is an example of a sudoku sum of 7:



Color in  $\frac{1}{4}$ .



Fill in the blanks with these numbers:  
**0, 9, 1**

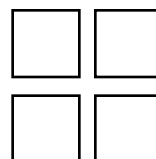
$$\begin{array}{r} 5 \quad 9 \\ - \quad 4 \quad \square \\ \hline \square \quad \square \end{array}$$

Fill in the blanks with these numbers:  
**7, 0, 1**

$$\begin{array}{r} 8 \quad 7 \\ - \quad \square \quad 7 \\ \hline \square \quad \square \end{array}$$

$$\begin{array}{r} 72 \\ - 42 \\ \hline \end{array}$$

Color in  $\frac{1}{2}$ .



$11 + \square = 20$

$8 + \square = 12$

$29 + 5 = \underline{\hspace{2cm}}$

Circle the best estimate for the answer to:  
 $1,542 - 576$

900      1,200      1,400      2,000

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

### Sudoku Sums of 8

Each row, column, and box must have the numbers 1 through 6.  
Hint: Look for sudoku sums. The sum of the two boxes inside of the dashed lines is 8.

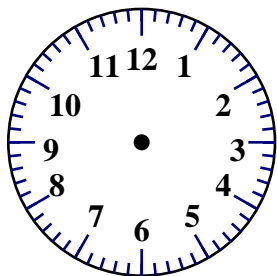
Here is an example of a sudoku sum of 8:



	6	4		5	
		2		4	
			5		1
	2			6	5
	4				

2	4
+	3
2	7

01:36



Fill in the blanks with these numbers:

9, 1, 7

5   

1   

+    2        1

---

8   

Fill in the blanks with these numbers:

6, 4, 1

6   

2        1

+    1   

---

9   

13 +  = 15

15 +  = 19

6 +  = 8

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

$$\begin{array}{r} 7,506 \\ + 8,065 \\ \hline \end{array}$$

$$\begin{array}{r} 15,504 \\ - 6,664 \\ \hline \end{array}$$

$$\begin{array}{r} 12,813 \\ - 5,188 \\ \hline \end{array}$$

$$\begin{array}{r} 2,120 \\ + 9,221 \\ \hline \end{array}$$

$$\begin{array}{r} 12,588 \\ - 5,930 \\ \hline \end{array}$$

$$\begin{array}{r} 8,481 \\ + 1,856 \\ \hline \end{array}$$

$$\begin{array}{r} 12,434 \\ - 7,956 \\ \hline \end{array}$$

$$\begin{array}{r} 8,080 \\ + 3,040 \\ \hline \end{array}$$

$$\begin{array}{r} 5,319 \\ + 6,401 \\ \hline \end{array}$$

$$\begin{array}{r} 10,610 \\ - 3,794 \\ \hline \end{array}$$

$$\begin{array}{r} 9,211 \\ - 8,166 \\ \hline \end{array}$$

$$\begin{array}{r} 5,702 \\ + 5,918 \\ \hline \end{array}$$

$$\begin{array}{r} 7,683 \\ + 7,466 \\ \hline \end{array}$$

$$\begin{array}{r} 1,832 \\ + 3,664 \\ \hline \end{array}$$

$$\begin{array}{r} 4,115 \\ - 2,845 \\ \hline \end{array}$$

$$\begin{array}{r} 13,188 \\ - 6,500 \\ \hline \end{array}$$

$$\begin{array}{r} 3,289 \\ + 6,234 \\ \hline \end{array}$$

$$\begin{array}{r} 9,315 \\ - 1,565 \\ \hline \end{array}$$

$$\begin{array}{r} 4,898 \\ + 8,983 \\ \hline \end{array}$$

$$\begin{array}{r} 7,257 \\ - 2,113 \\ \hline \end{array}$$

$$\begin{array}{r} 10,894 \\ - 1,095 \\ \hline \end{array}$$

$$\begin{array}{r} 7,309 \\ + 5,115 \\ \hline \end{array}$$

$$\begin{array}{r} 12,183 \\ - 7,144 \\ \hline \end{array}$$

$$\begin{array}{r} 7,662 \\ + 6,762 \\ \hline \end{array}$$

$$\begin{array}{r} 2,460 \\ + 1,083 \\ \hline \end{array}$$

$$\begin{array}{r} 8,941 \\ - 2,940 \\ \hline \end{array}$$

$$\begin{array}{r} 3,385 \\ + 9,686 \\ \hline \end{array}$$

$$\begin{array}{r} 10,160 \\ - 8,113 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 6 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 6 \\ \hline \square \end{array}$$

$$\begin{array}{r} 22 \\ - \square \\ \hline 16 \end{array}$$

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

$$\begin{array}{r} + 2 \\ \hline \square \end{array}$$

$$\begin{array}{r} - 6 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 4 \\ \hline 20 \end{array}$$

$$\begin{array}{r} + \square \\ \hline 25 \end{array}$$

$$\begin{array}{r} 27 \\ + \square \\ \hline 29 \end{array}$$





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

Get a fidget spinner! Spin it.

I needed to spin \_\_\_\_\_ time(s) to finish.

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

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

$7 + 5 = \underline{\quad}$

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

$4 + 9 = \underline{\quad}$

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

$6 + 4 = \underline{\quad}$

$6 + 7 = \underline{\quad}$

$9 + 4 = \underline{\quad}$

$8 + 4 = \underline{\quad}$

$3 + 9 = \underline{\quad}$

$8 + 7 = \underline{\quad}$

$8 + 5 = \underline{\quad}$

$7 + 8 = \underline{\quad}$

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

$7 + 4 = \underline{\quad}$

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

$4 + 6 = \underline{\quad}$

$6 + 6 = \underline{\quad}$

$5 + 7 = \underline{\quad}$

$5 + 9 = \underline{\quad}$

$7 + 5 = \underline{\quad}$

$6 + 9 = \underline{\quad}$

$4 + 7 = \underline{\quad}$

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

$4 + 8 = \underline{\quad}$

$7 + 4 = \underline{\quad}$

$9 + 8 = \underline{\quad}$

$6 + 4 = \underline{\quad}$

$6 + 8 = \underline{\quad}$

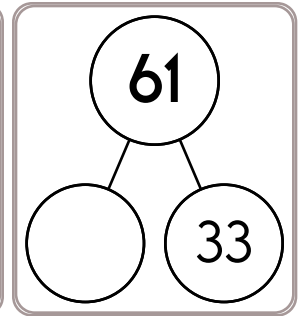
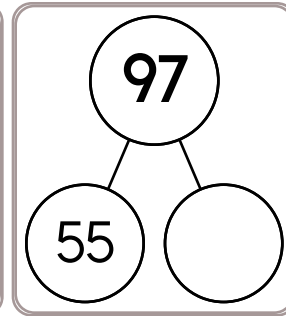
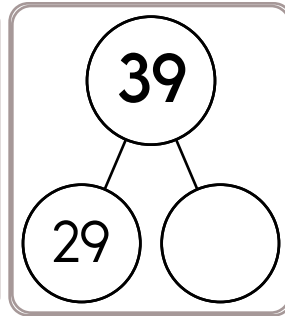
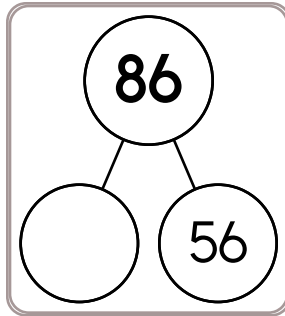
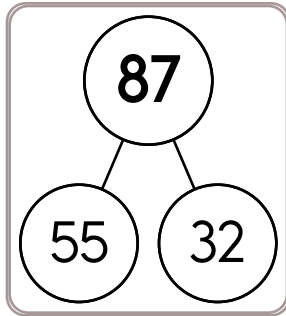
$5 + 7 = \underline{\quad}$

$7 + 5 = \underline{\quad}$

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

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

$6 + 4 = \underline{\quad}$



$4 + 6 = \underline{\quad}$

$5 + 7 = \underline{\quad}$

$3 + 8 = \underline{\quad}$

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

$8 + 3 = \underline{\quad}$

$8 + 6 = \underline{\quad}$

$3 + 8 = \underline{\quad}$

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

$9 + 6 = \underline{\quad}$

$4 + 7 = \underline{\quad}$

$7 + 8 = \underline{\quad}$

$8 + 3 = \underline{\quad}$

$4 + 8 = \underline{\quad}$

$7 + 4 = \underline{\quad}$

$7 + 9 = \underline{\quad}$

$4 + 5 = \underline{\quad}$

$6 + 4 = \underline{\quad}$

$3 + 8 = \underline{\quad}$

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$7 + 5 = \underline{\quad}$

$7 + 6 = \underline{\quad}$

$9 + 7 = \underline{\quad}$

$5 + 7 = \underline{\quad}$

$5 + 4 = \underline{\quad}$

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

$5 + 4 = \underline{\quad}$

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

$9 + 3 = \underline{\quad}$

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

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

$5 + 5 = \underline{\quad}$

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$6 + 4 = \underline{\quad}$

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

$5 + 4 = \underline{\quad}$

$6 + 8 = \underline{\quad}$

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

$6 + 9 = \underline{\quad}$

$5 + 8 = \underline{\quad}$

$6 + 7 = \underline{\quad}$

$7 + 4 = \underline{\quad}$

$9 + 6 = \underline{\quad}$

$8 + 6 = \underline{\quad}$

$4 + 8 = \underline{\quad}$

$8 + 5 = \underline{\quad}$

$9 + 3 = \underline{\quad}$

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

0



1



2



3



4



5



6



7







8



9











Write numbers and then solve.

		6	5
-		-	
_____		_____	

Write numbers and then solve.

		
-		
_____		_____

		
-		
_____		_____

		
-		
_____		_____

Circle the number that is smallest.

14,000    10,400

10,040    10,004

If you know  
 $72 + 32 = 104$   
Then what is  $72 + 29$ ?

3 hundreds, 6 tens, 4 ones

Emily is four years younger than her older sister, Erin. Erin is thirteen years old. What is the sum of their ages?

It is 7:47 when April leaves her house. She arrives at school at 8:08. How much time has passed?

8 hundreds, 9 ones

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

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

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

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

$$78 - 2 = \underline{\hspace{2cm}}$$

$$51 + 1 = \underline{\hspace{2cm}}$$

$$6 + \square = 19$$

$$6 + \square = 16$$

$$8 + \square = 18$$

$$4 + \square = 8$$

What Are You Wearing?

Long sleeve t-shirt	6
Short sleeve t-shirt	5
Sweatshirt	4

$$\begin{array}{r} 32 \\ - 20 \\ \hline \end{array}$$

How many total students wore t-shirts?

\_\_\_\_\_

How many students wore sweatshirts?

\_\_\_\_\_

What month comes before July?

\_\_\_\_\_

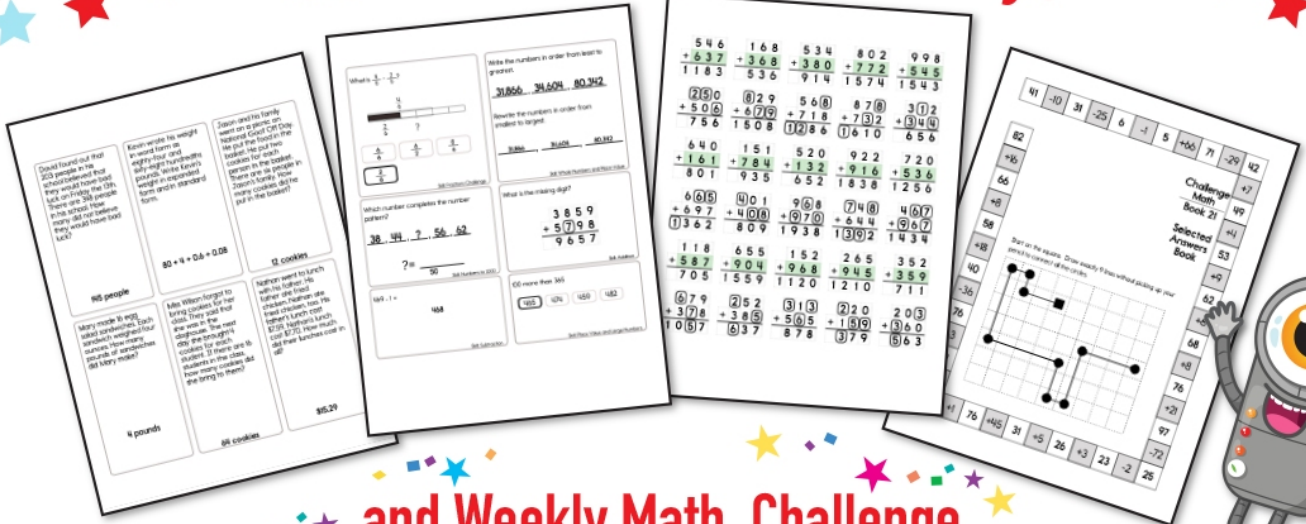
$$11 + \square = 17$$

$$4 + \square = 10$$

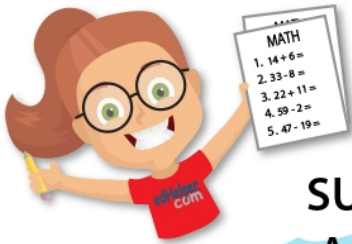
$$4 + \square = 9$$

$$8 + \square = 19$$

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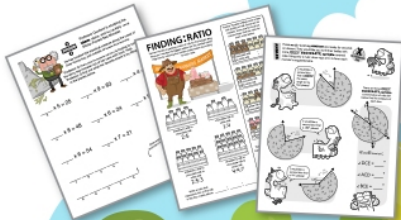


**MATH**  
1.  $14 + 6 =$   
2.  $33 - 8 =$   
3.  $22 + 11 =$   
4.  $59 - 2 =$   
5.  $47 - 19 =$

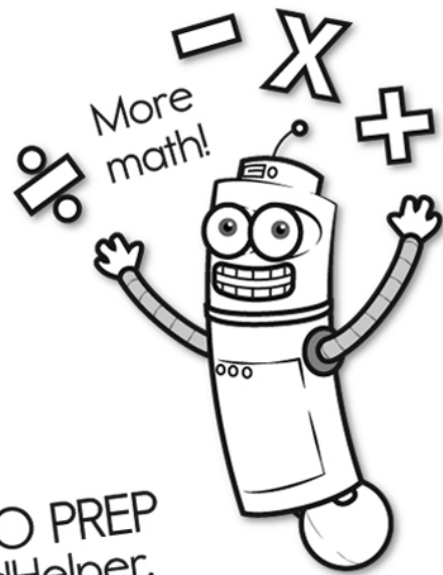
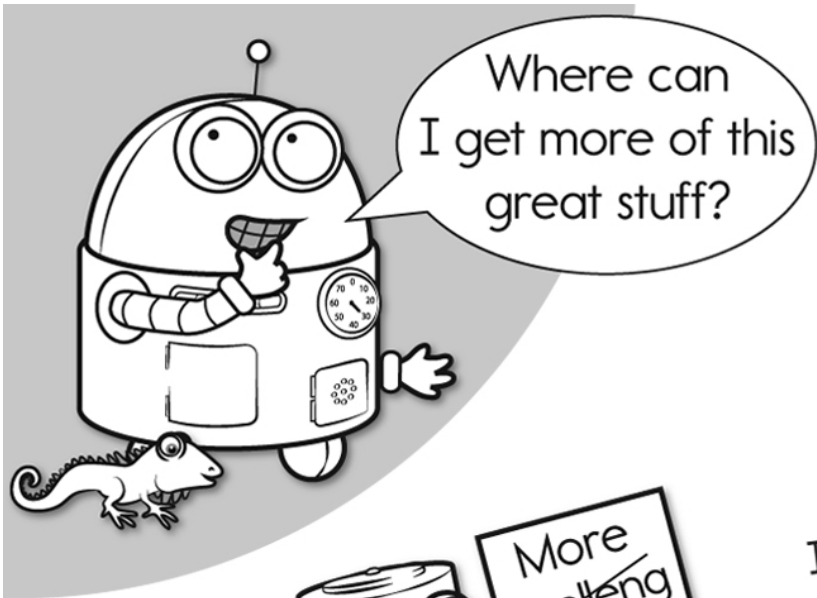


**ANSWER KEY**  
1.  $14 + 6 = 20$   
2.  $33 - 8 = 25$   
3.  $22 + 11 = 33$   
4.  $59 - 2 = 57$   
5.  $47 - 19 = 28$

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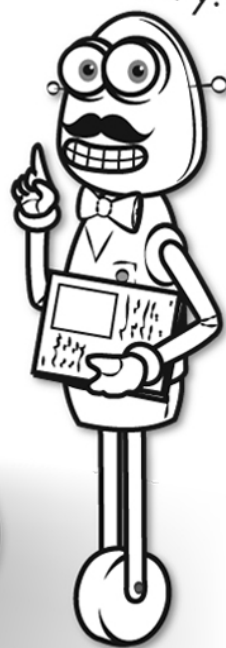
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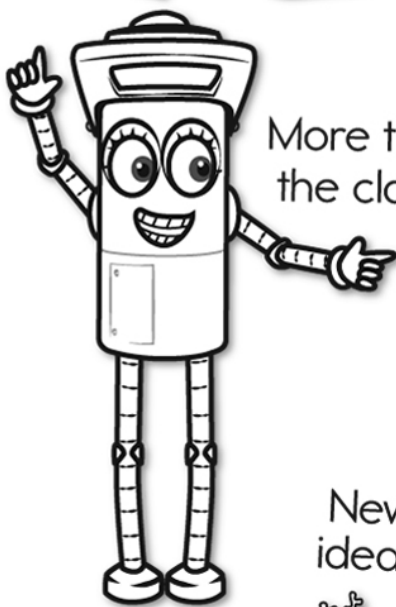


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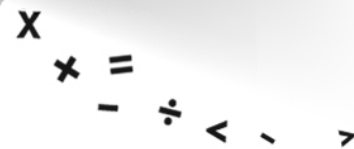
More things for the classroom!



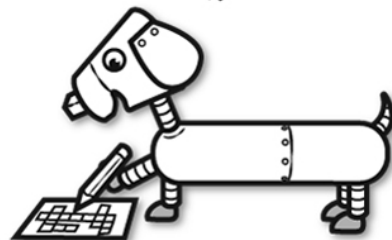
More science!



New ideas!



More puzzles!





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challenging puzzles and  
problems for older kids.

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challenges kids..

Homework  
will never be  
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