

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

# Mental Math



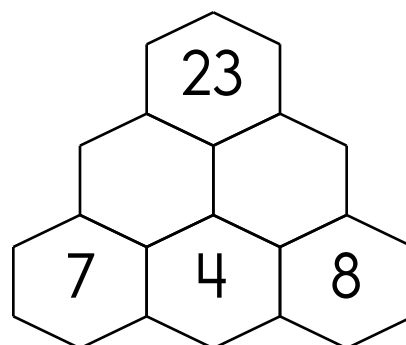
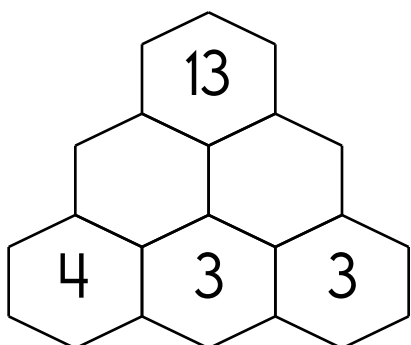
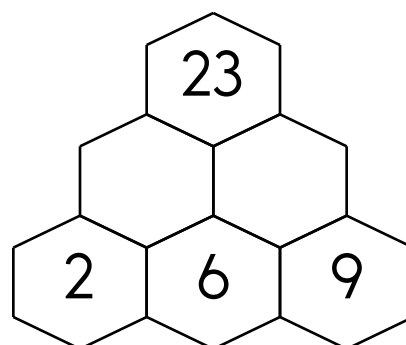
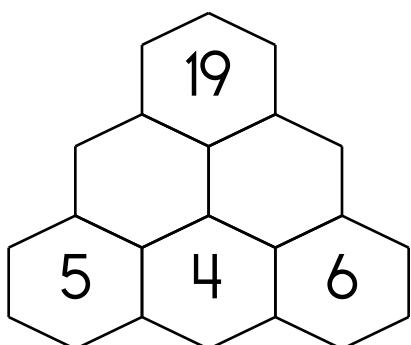
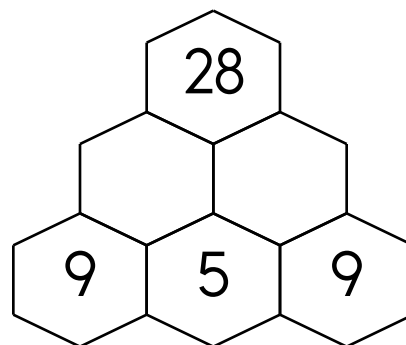
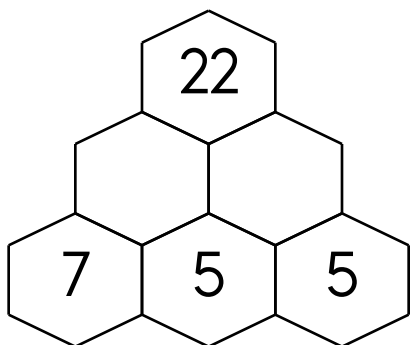
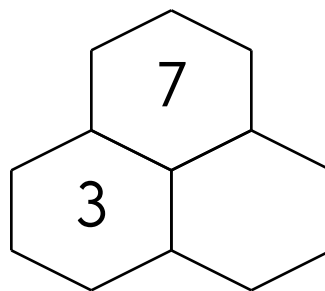
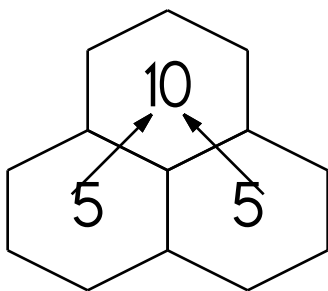
= Do it  
in your  
head!



	+1	-1	+10	-10	+2	-2
33						
20						
54						
46						
79						
81						
167						
232						
665						
828						
477						
552						

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

Fill in the blanks by adding the two numbers below each hexagon.



$5 + \square = 9$

$4 + \square = 7$

$4 + \square = 6$

$7 + \square = 18$

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## Adding and Subtracting 6

$21 + 6 = \underline{\quad}$	$25 - 6 = \underline{\quad}$	$26 - 20 = \underline{\quad}$	$6 + 24 = \underline{\quad}$
$6 + 12 = \underline{\quad}$	$13 + 6 = \underline{\quad}$	$6 + 9 = \underline{\quad}$	$19 + 6 = \underline{\quad}$
$11 + 6 = \underline{\quad}$	$17 - 6 = \underline{\quad}$	$6 + 21 = \underline{\quad}$	$19 + 6 = \underline{\quad}$
$6 + 18 = \underline{\quad}$	$27 + 6 = \underline{\quad}$	$8 - 6 = \underline{\quad}$	$6 + 29 = \underline{\quad}$
$22 - 6 = \underline{\quad}$	$6 + 8 = \underline{\quad}$	$28 - 6 = \underline{\quad}$	$6 + 7 = \underline{\quad}$

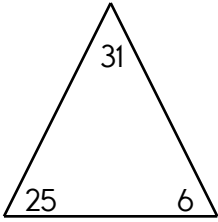
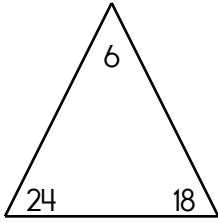
$\begin{array}{r} 1 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 19 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 17 \\ + 6 \\ \hline \end{array}$
$\begin{array}{r} 23 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ - 6 \\ \hline \end{array}$
$\begin{array}{r} 20 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 26 \\ - 20 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 19 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 25 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 6 \\ \hline \end{array}$
$\begin{array}{r} 8 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 24 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 30 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 17 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 21 \\ - 15 \\ \hline \end{array}$
$\begin{array}{r} 6 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ - 9 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 22 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 21 \\ + 6 \\ \hline \end{array}$

$26 + 6 = \underline{\quad}$	$20 + 6 = \underline{\quad}$	$6 + 2 = \underline{\quad}$	$9 + 6 = \underline{\quad}$
$17 - 6 = \underline{\quad}$	$28 + 6 = \underline{\quad}$	$18 - 6 = \underline{\quad}$	$6 + 26 = \underline{\quad}$
$8 - 6 = \underline{\quad}$	$6 + 21 = \underline{\quad}$	$6 + 5 = \underline{\quad}$	$9 - 3 = \underline{\quad}$

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

## Adding and Subtracting 6

$19 - 6 = \underline{\quad}$	$28 - 6 = \underline{\quad}$	$14 - 6 = \underline{\quad}$	$27 - 6 = \underline{\quad}$
$9 - 3 = \underline{\quad}$	$6 + 3 = \underline{\quad}$	$28 - 6 = \underline{\quad}$	$6 + 11 = \underline{\quad}$
$15 - 9 = \underline{\quad}$	$6 + 12 = \underline{\quad}$	$6 - 2 = \underline{\quad}$	$6 - 6 = \underline{\quad}$
$11 - 6 = \underline{\quad}$	$16 - 6 = \underline{\quad}$	$6 + 27 = \underline{\quad}$	$10 + 6 = \underline{\quad}$
$16 - 6 = \underline{\quad}$	$6 + 8 = \underline{\quad}$	$28 - 6 = \underline{\quad}$	$6 + 5 = \underline{\quad}$
$26 + 6 = \underline{\quad}$	$34 - 28 = \underline{\quad}$	$6 - 6 = \underline{\quad}$	$12 - 6 = \underline{\quad}$
$24 + 6 = \underline{\quad}$	$6 - 1 = \underline{\quad}$	$33 - 6 = \underline{\quad}$	$11 - 6 = \underline{\quad}$
$14 - 6 = \underline{\quad}$	$30 - 6 = \underline{\quad}$	$11 - 6 = \underline{\quad}$	$25 - 6 = \underline{\quad}$
$17 + 6 = \underline{\quad}$	$19 - 6 = \underline{\quad}$	$24 - 18 = \underline{\quad}$	$9 + 6 = \underline{\quad}$

<p>Fill in the blanks using numbers from the fact family.</p> <div style="text-align: center;">  </div> <div> <div><input type="text"/></div> <div>+</div> <div><input type="text"/></div> <div>=</div> <div><input type="text"/></div> </div> <div> <div><input type="text"/></div> <div>+</div> <div><input type="text"/></div> <div>=</div> <div><input type="text"/></div> </div> <div> <div><input type="text"/></div> <div>-</div> <div><input type="text"/></div> <div>=</div> <div><input type="text"/></div> </div> <div> <div><input type="text"/></div> <div>-</div> <div><input type="text"/></div> <div>=</div> <div><input type="text"/></div> </div>	<p>Fill in the blanks using numbers from the fact family.</p> <div style="text-align: center;">  </div> <div> <div><input type="text"/></div> <div>+</div> <div><input type="text"/></div> <div>=</div> <div><input type="text"/></div> </div> <div> <div><input type="text"/></div> <div>+</div> <div><input type="text"/></div> <div>=</div> <div><input type="text"/></div> </div> <div> <div><input type="text"/></div> <div>-</div> <div><input type="text"/></div> <div>=</div> <div><input type="text"/></div> </div> <div> <div><input type="text"/></div> <div>-</div> <div><input type="text"/></div> <div>=</div> <div><input type="text"/></div> </div>
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Name: \_\_\_\_\_

<p>A book that Jason wants costs 3 dollars and 89 cents. Jason does not have enough money to buy it. He needs 39 cents more. How much money does he have?</p>	<p>Alex has to read a book about Brazil. He wants to finish it on April 21. He started reading it 4 days before April 21. On what date did he start reading?</p>	<p>Mrs. Robinson made a peach salad. She spent \$5.69 on the salad. Miss Jones made a pear salad. She spent \$8.90 on her salad. How much more did Miss Jones spend than Mrs. Robinson?</p>
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<p>Fill in the boxes so each line equals 13.</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <div style="background-color: #d3d3d3; text-align: center; padding: 2px;">13</div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 30px; margin: 2px;"></div> <div style="font-size: 24px;">-</div> <div style="border: 1px solid black; width: 40px; height: 30px; text-align: center; color: blue; margin: 2px;">6</div> </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 30px; margin: 2px;"></div> <div style="font-size: 24px;">x</div> <div style="border: 1px solid black; width: 40px; height: 30px; text-align: center; color: blue; margin: 2px;">1</div> </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 30px; text-align: center; color: blue; margin: 2px;">91</div> <div style="font-size: 24px;">÷</div> <div style="border: 1px solid black; width: 40px; height: 30px; margin: 2px;"></div> </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 30px; margin: 2px;"></div> <div style="font-size: 24px;">-</div> <div style="border: 1px solid black; width: 40px; height: 30px; margin: 2px;"></div> </div> <div style="font-size: 24px;">+</div> <div style="border: 1px solid black; width: 40px; height: 30px; text-align: center; color: blue; margin: 2px;">10</div> </div> </div>		<p>Can you think of a five-letter word that has the vowel U in it?</p> <p>_____</p>	<div style="text-align: right;"> <div style="margin-bottom: 5px;">6</div> <div style="margin-bottom: 5px;">4</div> <div style="border-top: 1px solid black; margin-bottom: 5px;">+ 6 2</div> </div>
		<div style="display: flex; justify-content: space-between;"> <div>33 + 3 = _____</div> <div>71 - 7 = _____</div> </div>	

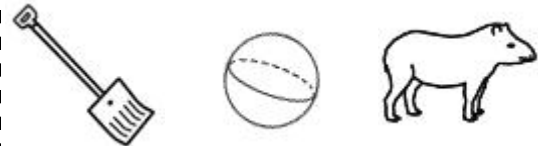
<p>Fill in the blanks with these numbers: <b>7, 3, 7</b></p> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: right;">5</div> <div style="border: 1px solid black; width: 40px; height: 30px;"></div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: right;">-</div> <div style="text-align: right;">2</div> <div style="border: 1px solid black; width: 40px; height: 30px;"></div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 30px;"></div> <div style="text-align: right;">0</div> </div>	<p>Fill in the blanks with these numbers: <b>6, 8, 3</b></p> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: right;">_____</div> <div style="border: 1px solid black; width: 40px; height: 30px;"></div> <div style="border: 1px solid black; width: 40px; height: 30px;"></div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: right;">-</div> <div style="text-align: right;">3</div> <div style="text-align: right;">6</div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 30px;"></div> <div style="text-align: right;">2</div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: right;"> <div style="margin-bottom: 5px;">41</div> <div style="border-top: 1px solid black; margin-bottom: 5px;">- 12</div> </div> <div style="text-align: right;"> <div style="margin-bottom: 5px;">10</div> <div style="border-top: 1px solid black; margin-bottom: 5px;">x 8</div> </div> <div style="text-align: right;"> <div style="margin-bottom: 5px;">1</div> <div style="border-top: 1px solid black; margin-bottom: 5px;">x 9</div> </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"> <div style="text-align: right;">5</div> <div style="border-left: 1px solid black; border-top: 1px solid black; padding-left: 10px; margin-left: 5px;">20</div> </div>
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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 in the correct spot.



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

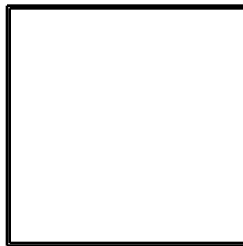
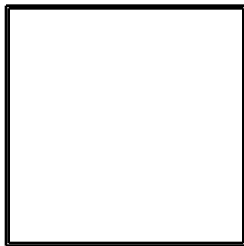


Draw 1 of these 3 pictures.  
The picture IS in the correct spot.



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

Draw the 3 pictures in the correct order:



Circle the best estimate for the answer to:  
 $1,532 + 1,594$

2,900      3,800      2,500      3,100

$$11 \times 5 = \underline{\hspace{2cm}}$$

$$\begin{array}{r} 47 \\ + 50 \\ \hline \end{array}$$

Round to the nearest ten.

92,714 is rounded to \_\_\_\_\_

2,171 is rounded to \_\_\_\_\_

3,737 is rounded to \_\_\_\_\_

$$15 + \boxed{\phantom{00}} = 22$$

Mr. Anderson counted the white t-shirts in his store. There were 15 small white t-shirts. There were 19 medium white t-shirts. There were 30 large white t-shirts. There were 22 extra large white t-shirts. How many t-shirts were there in all?

$$4 + \boxed{\phantom{00}} = 7$$

$$11 + \boxed{\phantom{00}} = 39$$


$$9 + \boxed{\phantom{00}} = 24$$

$$10 + \boxed{\phantom{00}} = 23$$

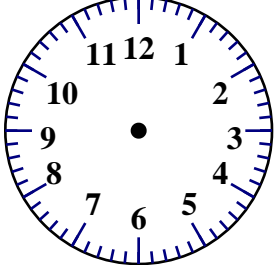
Name: \_\_\_\_\_

$\begin{array}{r} 57 \\ - 12 \\ \hline \end{array}$	$\begin{array}{r} 51 \\ - 11 \\ \hline \end{array}$	$\begin{array}{r} 73 \\ - 46 \\ \hline \end{array}$	$\begin{array}{r} 75 \\ - 47 \\ \hline \end{array}$	<input type="radio"/> hordly <input type="radio"/> hordlea <input type="radio"/> hardly <input type="radio"/> herdly
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$\begin{array}{r} 86 \\ - 45 \\ \hline \end{array}$	$\begin{array}{r} 94 \\ - 54 \\ \hline \end{array}$	$\begin{array}{r} 98 \\ - 24 \\ \hline \end{array}$	$\begin{array}{r} 97 \\ - 89 \\ \hline \end{array}$	$4 \overline{)20}$  $2 \overline{)14}$	$\begin{array}{r} 15 \\ + 14 \\ \hline \end{array}$
Write the numeral for three hundred forty-one. _____		$21 + \square = 29$  $21 + \square = 36$			

<input type="radio"/> belong <input type="radio"/> blong <input type="radio"/> beloong <input type="radio"/> belong		Write this number using words.	<input type="radio"/> pid <input type="radio"/> paid <input type="radio"/> paidd <input type="radio"/> piad
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$22 - 7 = \underline{\hspace{2cm}}$	$64 + 2 = \underline{\hspace{2cm}}$	<input type="radio"/> hebie <input type="radio"/> hobeia <input type="radio"/> hoby <input type="radio"/> hobby
$15 + \square = 36$		

<div style="border: 1px solid black; border-radius: 15px; padding: 5px; display: inline-block;">01:13</div>		$6 \overline{)18}$	$3 \overline{)24}$	$\begin{array}{r} 71 \\ - 14 \\ \hline \end{array}$
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$6 - 2 = \square$	$9 + 7 = \square$	$8 + 6 = \square$	$10 - 9 = \square$
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Name: \_\_\_\_\_

$$\begin{array}{r} 641 \\ - 351 \\ \hline \end{array}$$

$$\begin{array}{r} 1,614 \\ - 874 \\ \hline \end{array}$$

$$\begin{array}{r} 603 \\ + 866 \\ \hline \end{array}$$

$$\begin{array}{r} 657 \\ - 258 \\ \hline \end{array}$$

$$\begin{array}{r} 809 \\ + 665 \\ \hline \end{array}$$

$$\begin{array}{r} 420 \\ + 227 \\ \hline \end{array}$$

$$\begin{array}{r} 1,535 \\ - 870 \\ \hline \end{array}$$

$$\begin{array}{r} 1,137 \\ - 674 \\ \hline \end{array}$$

$$\begin{array}{r} 879 \\ - 629 \\ \hline \end{array}$$

$$\begin{array}{r} 301 \\ + 602 \\ \hline \end{array}$$

$$\begin{array}{r} 513 \\ + 838 \\ \hline \end{array}$$

$$\begin{array}{r} 531 \\ + 718 \\ \hline \end{array}$$

$$\begin{array}{r} 810 \\ - 670 \\ \hline \end{array}$$

$$\begin{array}{r} 373 \\ + 928 \\ \hline \end{array}$$

$$\begin{array}{r} 848 \\ + 343 \\ \hline \end{array}$$

$$\begin{array}{r} 334 \\ + 856 \\ \hline \end{array}$$

$$\begin{array}{r} 1,578 \\ - 778 \\ \hline \end{array}$$

$$\begin{array}{r} 1,087 \\ - 148 \\ \hline \end{array}$$

$$\begin{array}{r} 635 \\ - 529 \\ \hline \end{array}$$

$$\begin{array}{r} 1,632 \\ - 691 \\ \hline \end{array}$$

$$\begin{array}{r} 754 \\ - 563 \\ \hline \end{array}$$

$$\begin{array}{r} 483 \\ + 451 \\ \hline \end{array}$$

$$\begin{array}{r} 114 \\ + 547 \\ \hline \end{array}$$

$$\begin{array}{r} 826 \\ + 694 \\ \hline \end{array}$$

$$\begin{array}{r} 1,464 \\ - 729 \\ \hline \end{array}$$

$$\begin{array}{r} 524 \\ - 330 \\ \hline \end{array}$$

$$\begin{array}{r} 944 \\ + 664 \\ \hline \end{array}$$

$$\begin{array}{r} 452 \\ + 480 \\ \hline \end{array}$$

$$\begin{array}{r} 897 \\ - 181 \\ \hline \end{array}$$

$$\begin{array}{r} 814 \\ + 775 \\ \hline \end{array}$$

$$\begin{array}{r} 468 \\ + 389 \\ \hline \end{array}$$

$$\begin{array}{r} 122 \\ + 347 \\ \hline \end{array}$$

$$\begin{array}{r} 1,803 \\ - 981 \\ \hline \end{array}$$

$$\begin{array}{r} 1,845 \\ - 878 \\ \hline \end{array}$$

$$\begin{array}{r} 1,672 \\ - 989 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 7 \\ \hline \square \end{array}$$

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

$$\begin{array}{r} 19 \\ + \square \\ \hline 22 \\ - \square \end{array}$$

$$\begin{array}{r} 18 \\ + 6 \\ \hline \square \\ + 2 \end{array}$$

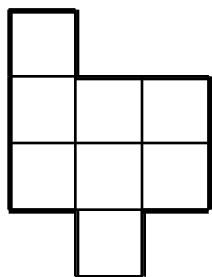
$$\begin{array}{r} \square \\ + 8 \\ \hline 34 \\ - \square \end{array}$$

$$\begin{array}{r} 31 \\ + \square \\ \hline 36 \\ - \square \end{array}$$

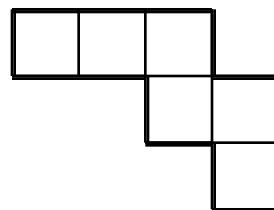
$$\begin{array}{r} 32 \end{array}$$



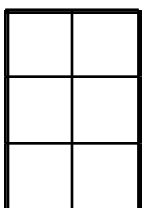
Name: \_\_\_\_\_



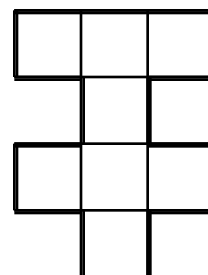
Area = **8** square units



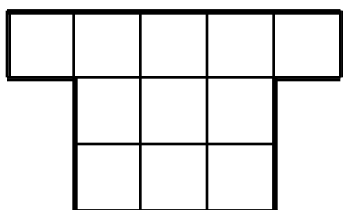
Area =  square units



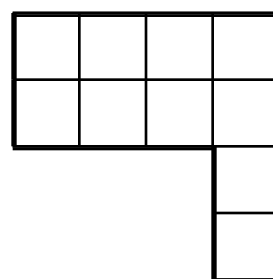
Area =  square units



Area =  square units

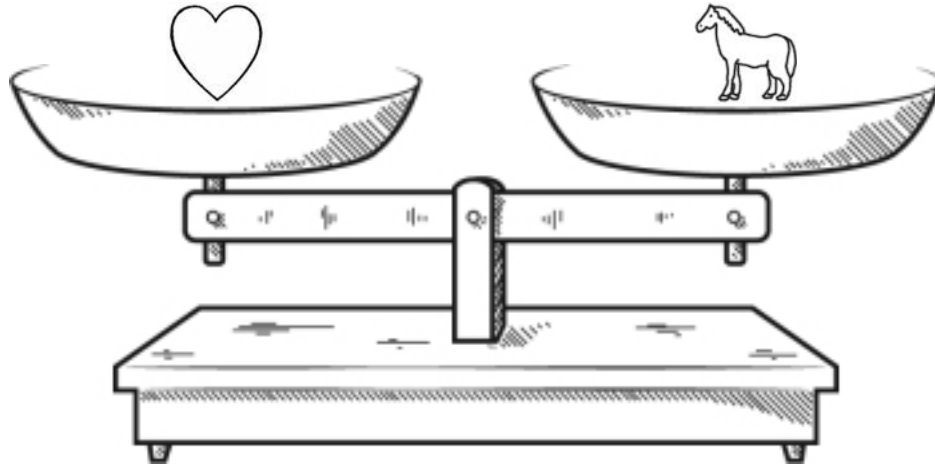


Area =  square units









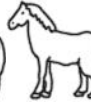

Area =  square units





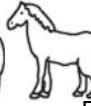
Name: \_\_\_\_\_








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 two are true? If not, look again!

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

Write an odd number.

6 more than 546

In ten hours it will be midnight. What time is it now?

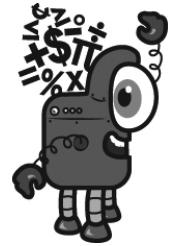
Name: \_\_\_\_\_

Mental Math

— #1 —

☺ Start with the number of wheels on 7 cars.

28



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

1 0 9 7 5 5 7 0 3 9 (Circle your answer to double check you are correct.)

☺ Increase that number by 3.

3 9 1 9 1 3 4 1 7 8

☺ Add 2 tens.

2 0 8 4 6 3 3 7 4 5

☺ Increase that number by 14.

6 9 8 0 2 8 4 7 3 3

Mental Math

— #2 —

❖ Start with the number 195.

7 6 2 1 9 5 4 3 1 1 (Circle your answer to double check you are correct.)

❖ Increase that number by 7.

8 3 2 0 2 8 6 0 9 7

❖ Add 6 hundreds.

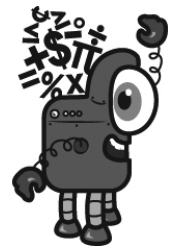
1 8 0 2 6 2 3 3 2 7

❖ Increase that number by 6.

1 8 0 8 6 4 7 1 5 5

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

1 6 8 9 6 4 7 0 3 5



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

Each box needs a number from 1 to 9. You may re-use numbers.  
One set of sums has been done for you.

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

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

Fill in the boxes so each line equals 11.

11	
14	-
	x
	÷
(	+
	-
	+
	x

Rise and Shine

Set an alarm clock	
Parent wakes you up	
Sibling wakes you up	

How many students set an alarm clock to wake up in the morning?

How many students have either a parent or a sibling wake them up in the morning?

Circle the abstract noun(s).  
silence, noise, cranberry, uniform

$6 \times 5 =$	$9 + 3 =$	$12 - 5 =$	$8 + 7 =$
----------------	-----------	------------	-----------

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

45	46

53	54	55
63		

39	40

21	22	
31	32	

57	58	59
67	68	
	78	

42	43
52	
62	

16	17
	27
36	

4	5	
14	15	16
24		

78	79

44	45	46
54		

86	87	
96	97	

3	4

57	58
	68
77	

16	17	18
	27	
	37	38

4	5
	15
	25

56	57	
66	67	68
	77	

14	15

38	39

26	27	28
36		

86	87

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	3	1
	4	2	4
	3	1	3
	2	4	2

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

3 2 1 4

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

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

1 4 2 3

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

Hint - These numbers are missing:

4 3 4 1

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

Hint - These numbers are missing:

1 4 4 4

$9 + 6 = \boxed{\phantom{00}}$

$5 - 1 = \boxed{\phantom{00}}$

$5 + 8 = \boxed{\phantom{00}}$

$12 - 9 = \boxed{\phantom{00}}$

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:

1	6
---	---

		2	
	3		
		4	
	1		

### Sudoku Sums of 9

The sudoku sums in this puzzle is 9. Use the numbers 1 through 6.

6					3
				1	
1		3			2
2	4			6	
	2			5	4

$4 + \square = 13$

$32 + \square = 37$

$14 + \square = 34$

$4 + \square = 23$

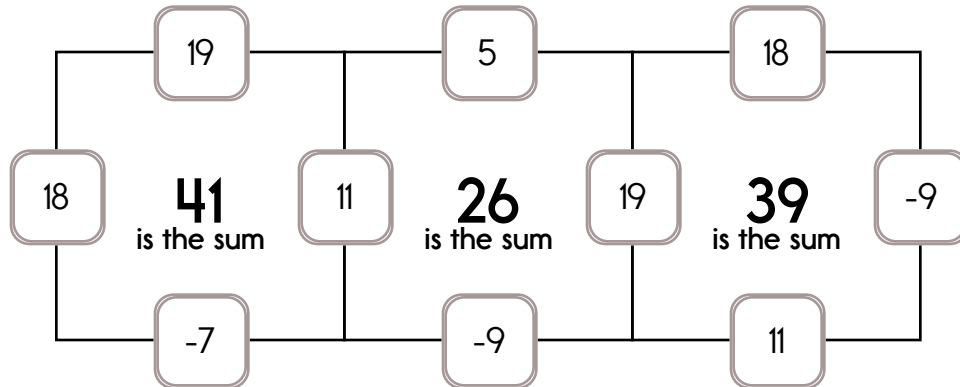
Example:

$$18 + 11 + 19 - 7 = 41$$

Example:

$$19 + 18 + 11 - 9 = 39$$

## Sample:



A 4x4 grid logic puzzle. The grid contains numbers and clues. The clues are as follows:

- Row 1: Clue 1: 7; Clue 2: 18; Clue 3: 11
- Row 2: Clue 1: -4; Clue 2: 33; Clue 3: 11; Clue 4: 28; Clue 5: -7; Clue 6: 28; Clue 7: 19
- Row 3: Clue 1: 19; Clue 2: 6; Clue 3: less than 18; Clue 4: odd
- Row 4: Clue 1: even; Clue 2: 39; Clue 3: 11; Clue 4: 28; Clue 5: -7; Clue 6: 35
- Row 5: Clue 1: less than -7; Clue 2: greater than 5; Clue 3: odd
- Row 6: Clue 1: 7; Clue 2: 15; Clue 3: 26; Clue 4: greater than 6; Clue 5: greater than 5; Clue 6: 18
- Row 7: Clue 1: either 6 or 18; Clue 2: -9; Clue 3: odd

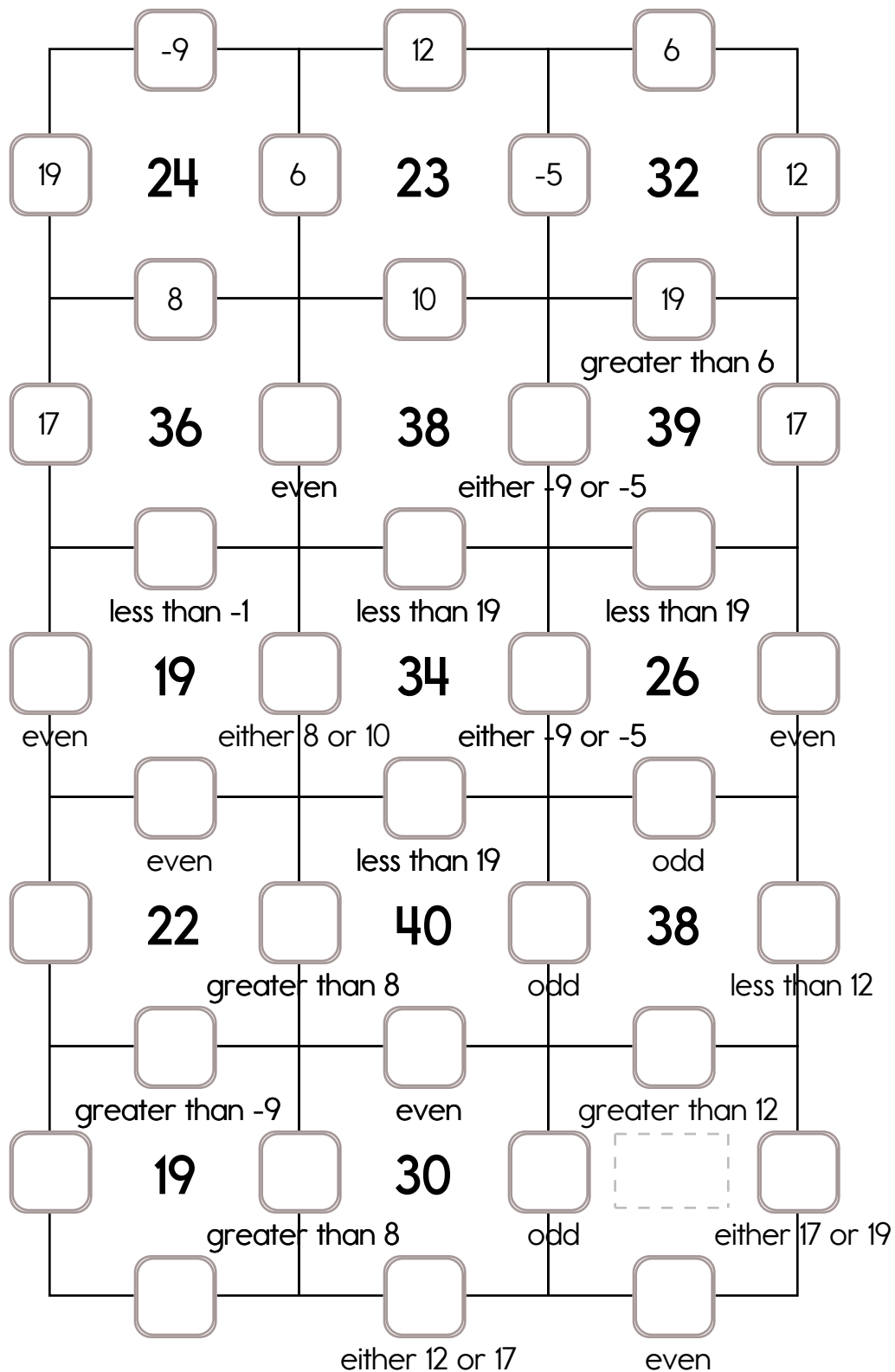


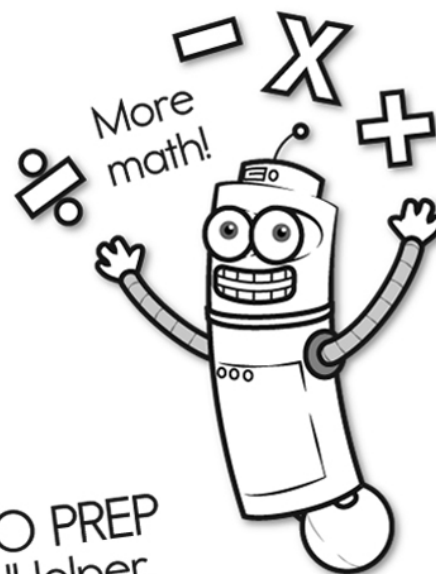
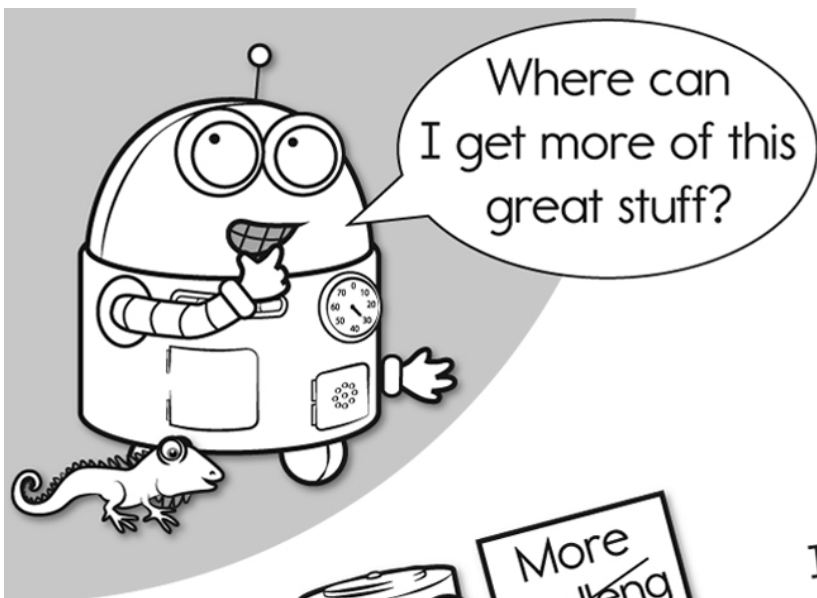
Name: \_\_\_\_\_

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: -5, -9, or -1.

The other three numbers have to all be DIFFERENT and must be from these: 16, 10, 12, 17, 8, 6, or 19.



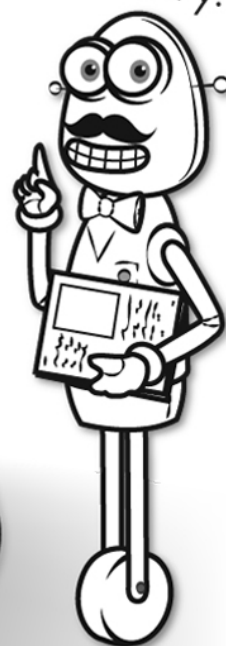


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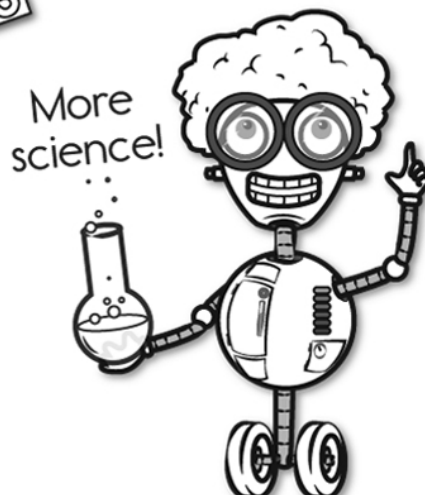
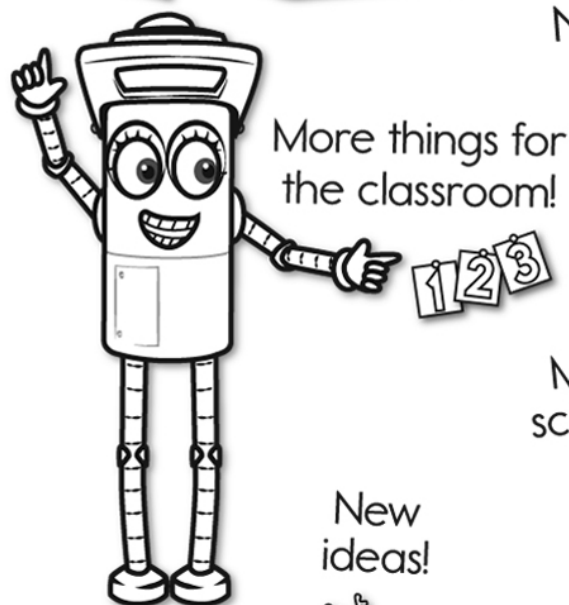
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