Name:	

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

Complete each pattern. Write what the rule is.

81	72	63
54		36
27	18	

Draw a line to match each problem with the same answer.

triple 8

•

triple 6

quadruple 6

] •

quadruple 4

double 6

) •

double 3

double 9

] •

• quadruple 3

triple 2

• (double 8

2 more than 752

What number multiplied by four is twenty?

5 less than 675

double 200

3 4 8 + 7 1

How many hours are there from 7 a.m. to 4 p.m.?

Write this number: 2 ones, 5 thousands

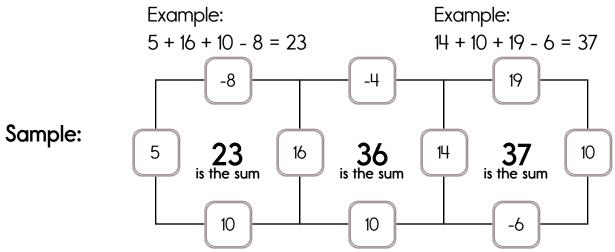
2 5 7 - 8 9

Find the verb in the sentence and write it on the line.

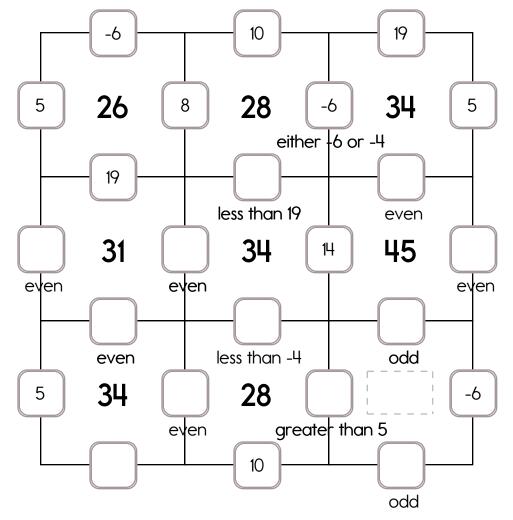
Scientists classify tomatoes as fruits.

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

This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.

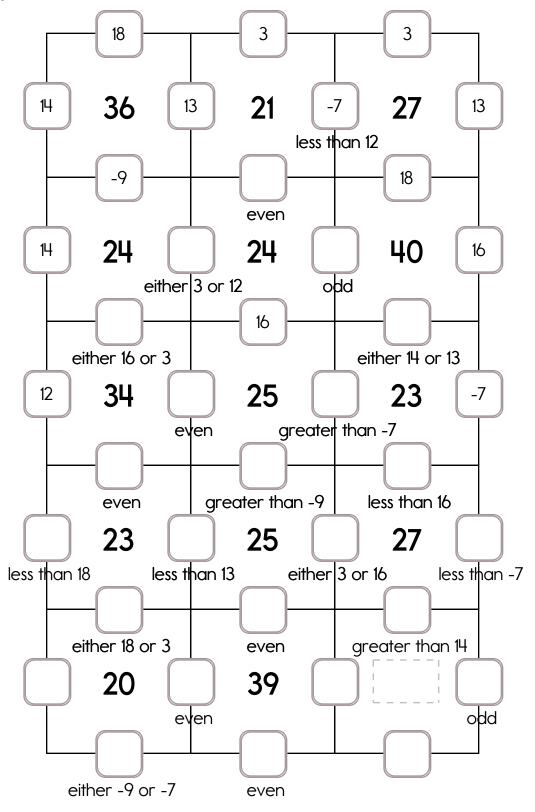


Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square. Exactly one of the four numbers has to be one of these numbers: -6, -4, or -8. The other three numbers have to all be DIFFERENT and must be from these: 10, 16, 5, 19, 8, or 14.



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: -7, -8, or -9. The other three numbers have to all be DIFFERENT and must be from these: 16, 12, 13, 14, 3, or 18.

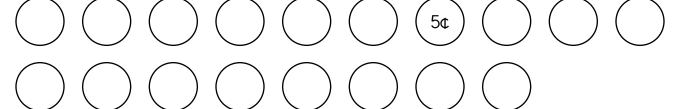


Name:	

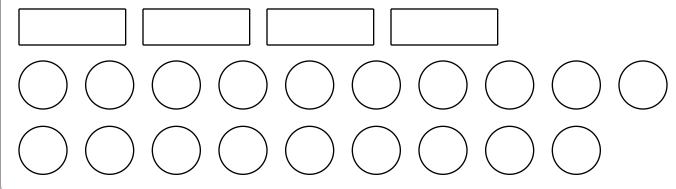
Make change. You can use \$20, \$10, \$5, \$1, 25¢, 10¢, 5¢, or 1¢.

Jacob has \$22.15. He has 4 bills and 18 coins. How?





April has \$40.20. She has 4 bills and 19 coins. How?



Alex has \$88.13. He has 10 bills and 15 coins. How?

Name:	

Cross off the number that does NOT belong.

18, 36, 54, 65, 72, 90, 108, 126, 144

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

Cross off the number that does NOT belong.

40, 40, 48, 55, 66, 56, 70, 64, 85, 72, 100, 80, 115, 88

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

edHelper Name: \_\_\_\_\_ Mental<sup>3</sup> Only use a pencil to write the numbers on the blank = Do it Math in your lines. You do not need any scrap paper! Solve it in héad! your head. If you forget a number, then start over. Cool. huh? imagine 6 in your imagine 5 in your imagine 7 in your imagine 8 in your head head head head add 6 subtract 2 add 1 double it subtract 2 add 6 subtract 3 subtract 3 add 6 subtract 4 Add the tens digit to the ones digit. Write the sum. Write the number. Write the tens digit. Write the number. В D What is the sum? A + B + C + DWow! Great job! That's the answer, but do you know how to SPELL the number? 1 before 17 \_\_\_\_\_ 7 after 19 \_\_\_\_\_ 9 before 14 \_\_\_\_\_ 2 before 15 \_\_\_\_\_ 3 after 18 \_\_\_\_\_ 4 before 19 \_\_\_\_\_ 7 before 16 \_\_\_\_\_ 2 after 15 \_\_\_\_\_ 3 before 11 \_\_\_\_\_

5 after 11 \_\_\_\_\_

1 after 16 \_\_\_\_\_

8 before 13 \_\_\_\_\_

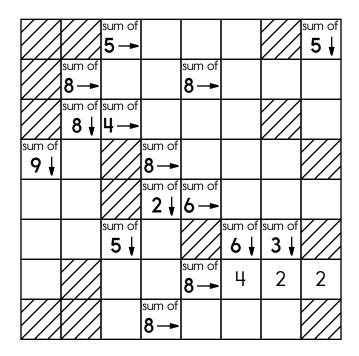
6 before 12 \_\_\_\_\_

5 before 18 \_\_\_\_\_

2 before 17 \_\_\_\_\_

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

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



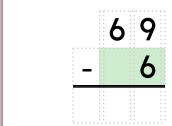
sum of			///	///	///	sum of
5→						4 ↓
	sum of 10 →					2
	sum of			///	///	
	6→					1
		sum of 10 <del></del>				1
sum of	///					
<b>/</b> →						$\mathbb{Z}_{A}$
		sum of				
	sum of <b>9</b> →					
sum of			sum of 5→		/ / /	

7 + 3 -	2 - 5	
/ . 5 -	2 - 3	

Write this number: 3 tens, 7 thousands, 5 ones, 6 hundreds

If you know 75 + 28 = 103 Then what is 75 + 25? double 80

10, 12, 14, \_\_\_\_\_, 18, 20, 22, 24



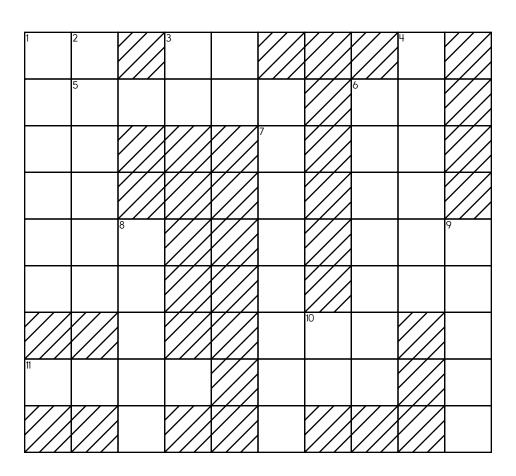
55, \_\_\_\_\_, 77, 88, 99, 110 Write this number: 7 hundreds, 8 tens, 3 thousands

## **ACROSS**

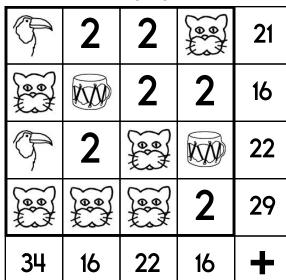
- 3.4 + 12
- 5. the tens in 10-Down + the ones in 3-Across + the ten thousands in 8-Down + the thousands in 2-Down
- 11. the thousands in 2-Down + the tens in 9-Down + the ones in 5-Across

## **DOWN**

- the tens in 10-Down + the hundred thousands in
  4-Down + the ones in 2-Down + the thousands in
  11-Across
- 2. three hundred eighty-eight thousand, one hundred fifteen
- 4. the thousands in 9-Down + the ones in 3-Across + the hundred thousands in 2-Down
- four million, thirty-two thousand, three hundred thirty-six
- 7. three million, thirty-five thousand, five hundred seventeen
- 8. the tens in 10-Down + the ones in 3-Across + the ten thousands in 2-Down
- 9. the ten thousands in 8-Down + the thousands in 5-Across + the ones in 3-Across + the tens in 10-Down
- 10.3 + 19



Puzzle:



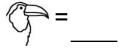
Work Area:

770117711 CG.							
	2	2		21			
		2	2	16			
	2			22			
			2	29			
34	16	22	16	+			

The sum for each column and row is given.



=

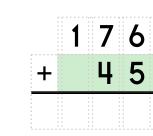


If you know 79 + 39 = 118 Then what is 79 + 37? double 50

Write this number: 6 hundreds, 2 thousands

F, I, G, L, H, O, \_\_\_\_\_, R, J, U 68, 85, 102, \_\_\_\_, 136, 153, 170, 187, 204, 221

2 less than 452



C, F, I, L, \_\_\_\_, R, U,

$\frac{1}{2}$							<u> </u>		1 2		
1					<u>1</u> 3			-	3		
<u>1</u> <u>1</u>					1 4						
$\frac{1}{7}$ $\frac{1}{7}$		<u>1</u> 7	-	<u>1</u> 7	<u>1</u> 7	-	<u>1</u> 7		7		
<u>1</u> <u>1</u> <u>8</u> <u>1</u> 8			1 8	<u>1</u> 8		1 8	1 8	-	1 8		
1 11	1 11	1 11	1 11		-   -	1 11	1 11	1 11	1 11	1 11	1 11
1/12	1 12	1 12	1 12	1 12	1 12	1/12	1 12	1 12	1 12	1 12	1/12

Compare.

$$\left(\begin{array}{c} 10 \\ \hline 11 \end{array}\right) \left(\begin{array}{c} 1 \\ \hline 2 \end{array}\right)$$

$$\frac{1}{2}$$
  $\left(\begin{array}{c} 2\\ 4 \end{array}\right)$ 

$$\frac{1}{2}$$
  $\left(\begin{array}{c} \\ \\ \end{array}\right)$   $\frac{9}{11}$ 

$$\frac{3}{7}$$
  $\frac{1}{8}$ 

$$\frac{2}{3}$$
  $\left(\begin{array}{c} 2\\ 7 \end{array}\right)$ 

$$\frac{3}{4}$$
  $\left(\begin{array}{c} \\ \\ \end{array}\right)$   $\frac{6}{8}$ 

$$\frac{2}{3}$$
  $\left(\begin{array}{c} \frac{5}{8} \end{array}\right)$ 

$$\frac{9}{12}$$
  $\frac{2}{4}$ 

$$\frac{1}{4}$$
  $\left(\begin{array}{c} \\ \\ \end{array}\right)$   $\frac{9}{12}$ 

$$\left|\frac{2}{3}\left(\right)\right|$$

$$\frac{4}{8}$$
  $\left(\begin{array}{c} \\ \end{array}\right)$   $\frac{6}{12}$ 

$$\left(\frac{2}{4}\right)\left(\frac{1}{7}\right)$$

$$\frac{4}{7}$$
  $\left(\begin{array}{c}3\\4\end{array}\right)$ 

$$\left|\frac{1}{2}\right|$$

$$\frac{8}{12}$$
  $\left(\begin{array}{c} 2\\ 3 \end{array}\right)$ 

$$\left[\begin{array}{c} \frac{2}{3} \end{array}\right] \left(\begin{array}{c} \frac{5}{11} \end{array}\right)$$

$$\left(\frac{10}{11}\right)\left(\frac{2}{4}\right)$$

$$\left(\frac{4}{11}\right)\left(\frac{3}{7}\right)$$

$$\frac{2}{4}$$
  $\frac{6}{12}$ 

$$\left[\frac{4}{12}\left(\begin{array}{c} \\ \end{array}\right) \frac{1}{3}\right]$$

$$\frac{1}{3}$$
  $\left(\begin{array}{c} \frac{5}{12} \end{array}\right)$ 

$$\left(\begin{array}{c} \frac{7}{11} & \left(\begin{array}{c} \end{array}\right) & \frac{2}{8} \end{array}\right)$$

$$\frac{1}{2}$$
  $\left(\begin{array}{c} 3\\ \end{array}\right)$ 

$$\frac{7}{12}$$
  $\left(\begin{array}{c} 1\\ 2 \end{array}\right)$ 



