

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

## Adding and Subtracting 3

$3 + 6 = \underline{\quad}$      $7 + 3 = \underline{\quad}$      $12 - 9 = \underline{\quad}$      $10 - 7 = \underline{\quad}$

$5 + 3 = \underline{\quad}$      $3 + 8 = \underline{\quad}$      $8 - 5 = \underline{\quad}$      $15 - 12 = \underline{\quad}$

$6 + 3 = \underline{\quad}$      $15 - 12 = \underline{\quad}$      $1 + 3 = \underline{\quad}$      $3 + 11 = \underline{\quad}$

$6 - 3 = \underline{\quad}$      $6 - 3 = \underline{\quad}$      $5 - 3 = \underline{\quad}$      $14 - 11 = \underline{\quad}$

$12 - 9 = \underline{\quad}$      $3 + 1 = \underline{\quad}$      $3 + 9 = \underline{\quad}$      $7 - 4 = \underline{\quad}$

$\begin{array}{r} 10 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ - 12 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 3 \\ \hline \end{array}$
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$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ - 9 \\ \hline \end{array}$
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$\begin{array}{r} 11 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ - 11 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ - 8 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$
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$\begin{array}{r} 7 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ - 12 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ - 9 \\ \hline \end{array}$
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$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 9 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ - 8 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ - 11 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 3 \\ \hline \end{array}$
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$13 - 3 = \underline{\quad}$      $3 + 10 = \underline{\quad}$      $6 + 3 = \underline{\quad}$      $9 + 3 = \underline{\quad}$

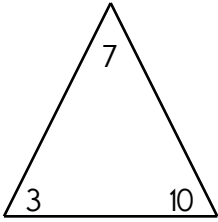
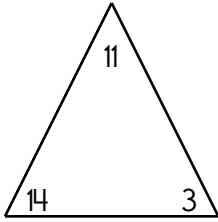
$15 - 12 = \underline{\quad}$      $3 + 10 = \underline{\quad}$      $10 - 7 = \underline{\quad}$      $14 - 11 = \underline{\quad}$

$11 - 8 = \underline{\quad}$      $9 - 3 = \underline{\quad}$      $4 + 3 = \underline{\quad}$      $3 + 5 = \underline{\quad}$

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## Adding and Subtracting 3

$7 - 3 = \underline{\quad}$	$4 - 1 = \underline{\quad}$	$3 + 9 = \underline{\quad}$	$7 - 3 = \underline{\quad}$	$5 - 3 = \underline{\quad}$
$10 - 7 = \underline{\quad}$	$3 - 3 = \underline{\quad}$	$6 - 3 = \underline{\quad}$	$15 - 12 = \underline{\quad}$	$3 + 10 = \underline{\quad}$
$6 - 3 = \underline{\quad}$	$10 - 7 = \underline{\quad}$	$7 + 3 = \underline{\quad}$	$3 - 3 = \underline{\quad}$	$8 - 5 = \underline{\quad}$
$11 - 8 = \underline{\quad}$	$12 - 3 = \underline{\quad}$	$10 - 7 = \underline{\quad}$	$6 - 3 = \underline{\quad}$	$13 - 3 = \underline{\quad}$
$12 - 3 = \underline{\quad}$	$10 - 3 = \underline{\quad}$	$3 - 2 = \underline{\quad}$	$10 - 3 = \underline{\quad}$	$4 - 1 = \underline{\quad}$
$3 - 2 = \underline{\quad}$	$7 - 4 = \underline{\quad}$	$11 - 8 = \underline{\quad}$	$7 - 4 = \underline{\quad}$	$3 - 3 = \underline{\quad}$
$14 - 11 = \underline{\quad}$	$8 - 3 = \underline{\quad}$	$3 + 10 = \underline{\quad}$	$5 + 3 = \underline{\quad}$	$9 - 3 = \underline{\quad}$
$8 - 3 = \underline{\quad}$	$3 + 6 = \underline{\quad}$	$7 - 3 = \underline{\quad}$	$3 - 1 = \underline{\quad}$	$14 - 11 = \underline{\quad}$
$10 - 3 = \underline{\quad}$	$14 - 11 = \underline{\quad}$	$3 - 3 = \underline{\quad}$	$11 - 3 = \underline{\quad}$	$7 - 4 = \underline{\quad}$

<p>Fill in the blanks using numbers from the fact family.</p> <div style="text-align: center;">  </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div><input type="text"/> + <input type="text"/> = <input type="text"/></div> <div><input type="text"/> + <input type="text"/> = <input type="text"/></div> <div><input type="text"/> - <input type="text"/> = <input type="text"/></div> <div><input type="text"/> - <input type="text"/> = <input type="text"/></div> </div>	<p>Fill in the blanks using numbers from the fact family.</p> <div style="text-align: center;">  </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div><input type="text"/> + <input type="text"/> = <input type="text"/></div> <div><input type="text"/> + <input type="text"/> = <input type="text"/></div> <div><input type="text"/> - <input type="text"/> = <input type="text"/></div> <div><input type="text"/> - <input type="text"/> = <input type="text"/></div> </div>
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Name: \_\_\_\_\_

Make a path by adding up the numbers. Do not visit a circle more than once. The first one is done.

START 1	1	2
5	5	4
3	5	FINISH SUM: 11

1 + 1 + 5 + 4 =  
11

START 3	1	4
2	2	5
1	1	FINISH SUM: 16

3 + 1 + 4 + \_\_\_\_\_ +  
\_\_\_\_\_ = 16

START 8	9	7
6	8	9
9	7	FINISH SUM: 32

8 + 9 + \_\_\_\_\_ + \_\_\_\_\_ =  
32

START 4	5	6	2
5	5	1	3
3	4	2	FINISH SUM: 18

4 + 5 + \_\_\_\_\_ + \_\_\_\_\_ +  
\_\_\_\_\_ = 18

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<p>There were 8 clowns in the circus. There were 4 happy clowns. The rest were sad. How many clowns were sad?</p>	<p>Pat put 43 pieces of candy in jars. Each jar holds 10 pieces of candy. How many jars did she fill?</p>	<p>Nathan reads for 25 minutes. Mary reads for 13 minutes. How many more minutes does Nathan read than Mary?</p>
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Round each number to the nearest tens. Add or subtract to get an estimate of the answer.

$$\begin{array}{r}
 44 \longrightarrow \boxed{40} \\
 - 19 \longrightarrow \boxed{20} \\
 \hline
 60
 \end{array}$$

$$\begin{array}{r}
 77 \longrightarrow \boxed{\phantom{00}} \\
 + 94 \longrightarrow \boxed{\phantom{00}} \\
 \hline
 \hline
 \end{array}$$

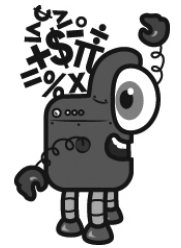
$$\begin{array}{r}
 17 \longrightarrow \boxed{\phantom{00}} \\
 + 43 \longrightarrow \boxed{\phantom{00}} \\
 \hline
 \hline
 \end{array}$$

Circle the greater number.	Circle how you know.	Fill in the numbers.
268    668	hundreds    tens ones	_____ is greater than _____. _____ > _____
327    323	hundreds    tens ones	_____ is greater than _____. _____ > _____

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Mental Math

— #1 —



► Start with the number 17.

17

► Subtract 1 ten.

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

\_\_\_\_\_

► Add the number of days in a week.

7 9 6 1 2 8 5 1 4 7

\_\_\_\_\_

► Subtract 7.

7 5 1 0 7 6 5 9 9 7

\_\_\_\_\_

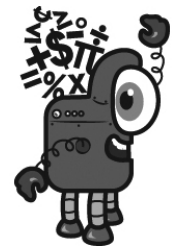
► Increase that number by 12.

8 7 9 7 3 7 1 9 6 0

\_\_\_\_\_

Mental Math

— #2 —



❖ Start with the number 2.

7 2 8 4 9 1 2 1 6 7 (Circle your answer to double check you are correct.)

\_\_\_\_\_

❖ Add 4 tens.

4 2 4 9 2 0 3 1 9 3

\_\_\_\_\_

❖ Subtract 6.

8 8 3 8 6 3 6 5 9 3

\_\_\_\_\_

❖ Round that number to the nearest ten.

8 0 4 0 1 8 3 3 9 9

\_\_\_\_\_

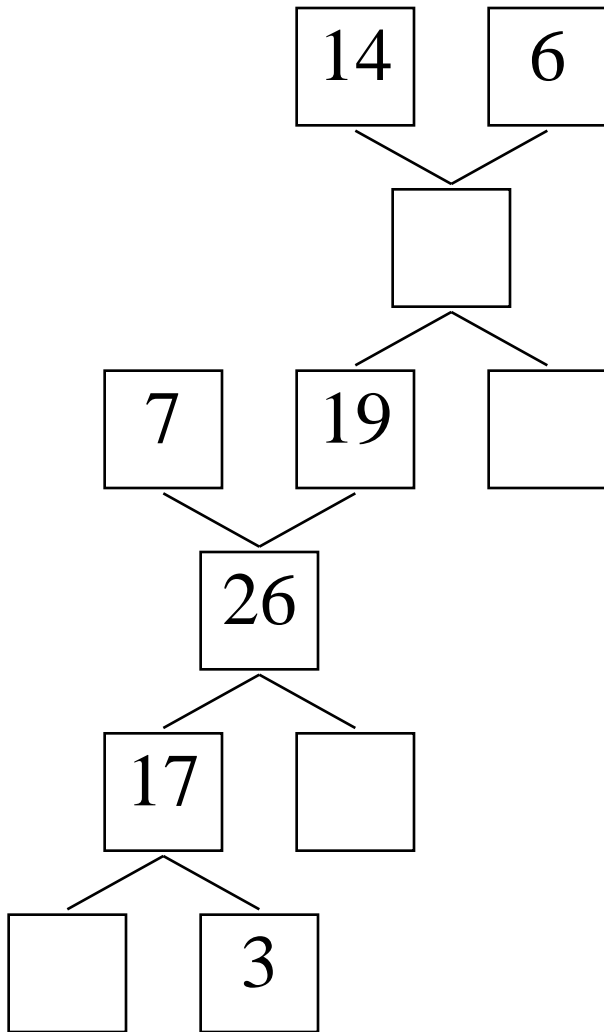
❖ Subtract 9.

1 9 3 1 6 0 9 5 2 7

\_\_\_\_\_

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Complete the number bonds puzzle. Fill in the missing boxes with the numbers 1 through 29. You can repeat and use any of those numbers. You do not have to use all the numbers.



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

Make a path by adding up the numbers. Do not visit a circle more than once. The first one is done.

START 5	2	2
1	5	3
4	1	FINISH SUM: 15

5 + 2 + 5 + 3 =  
15

START 1	4	3
4	3	2
5	1	FINISH SUM: 11

1 + 4 +    +    =  
11

START 9	8	7
8	9	9
6	7	FINISH SUM: 35

9 + 8 +    +    =  
35

START 1	3	5	1
4	2	6	1
2	6	3	FINISH SUM: 15

1 + 3 +    +    +  
   = 15

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18	-3		-4				+8		-2
				-3		-5			
								+5	
				-6		-9		-11	
+5		+2		+6		+7		+7	
+1		-8		+1	9	+4		-9	4

When you take five away from me, the answer is seven. What number am I? _____	$\begin{array}{r} 20 \\ + 68 \\ \hline \end{array}$	$\begin{array}{r} 21 \\ + 62 \\ \hline \end{array}$	$\begin{array}{r} 28 \\ - 22 \\ \hline \end{array}$	$\begin{array}{r} 89 \\ - 58 \\ \hline \end{array}$	$\begin{array}{r} 43 \\ - 30 \\ \hline \end{array}$
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100 more than 884	Read the word. Clap your hand for each syllable. How many syllables?  upon	$\begin{array}{r} 2 \\ 5 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 57 \\ - 30 \\ \hline \end{array}$
1      2      3      4      5			



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

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

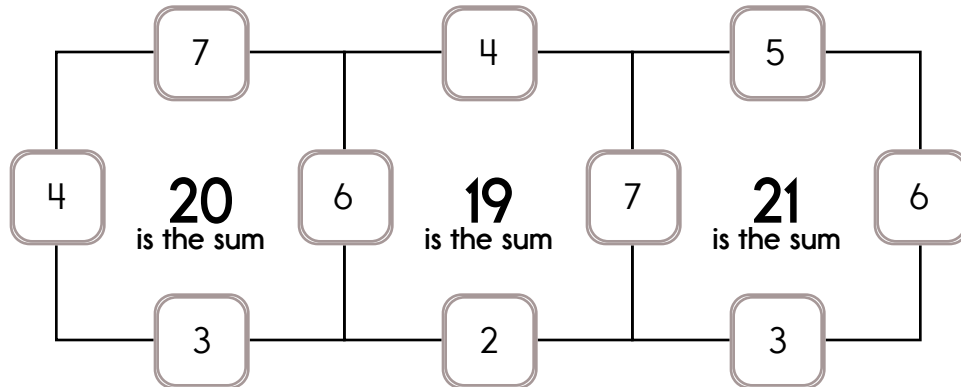
Example:

$$4 + 6 + 7 + 3 = 20$$

Example:

$$7 + 6 + 5 + 3 = 21$$

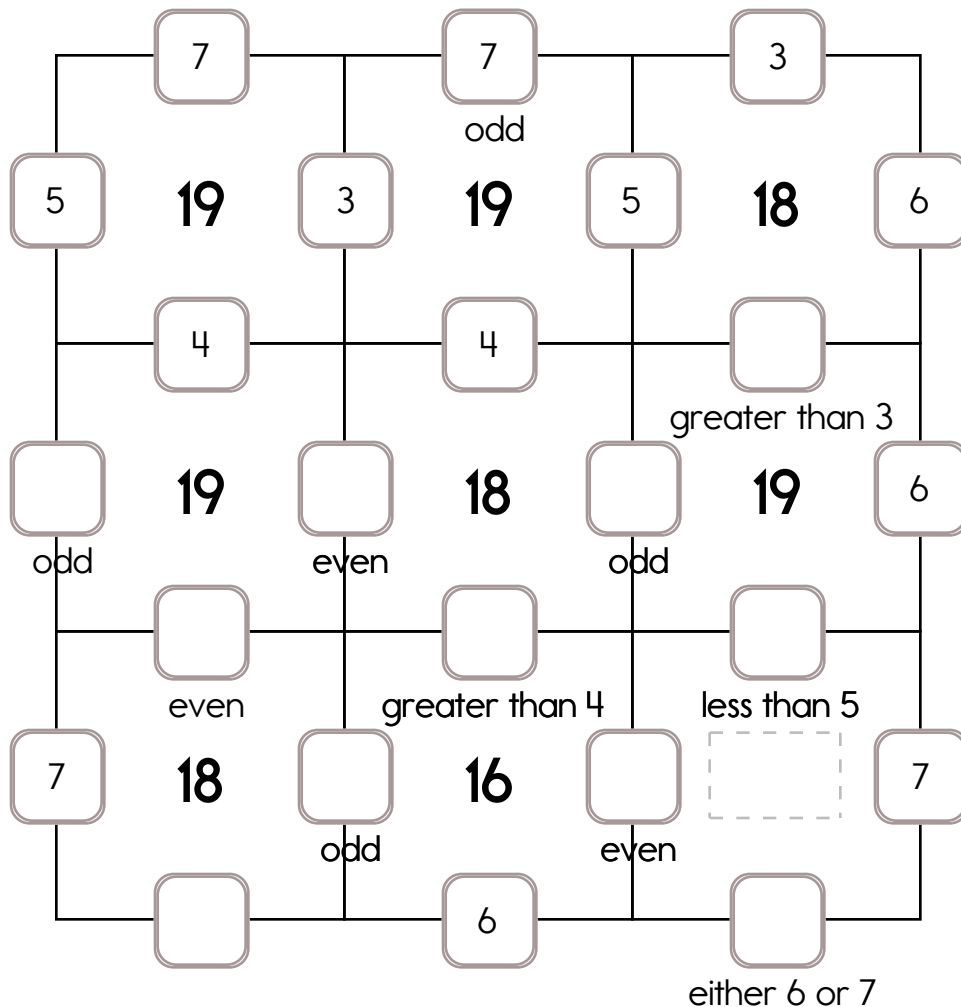
Sample:



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: 1, 2, or 3.

The other three numbers have to all be **DIFFERENT** and must be from these: 4, 5, 6, or 7.

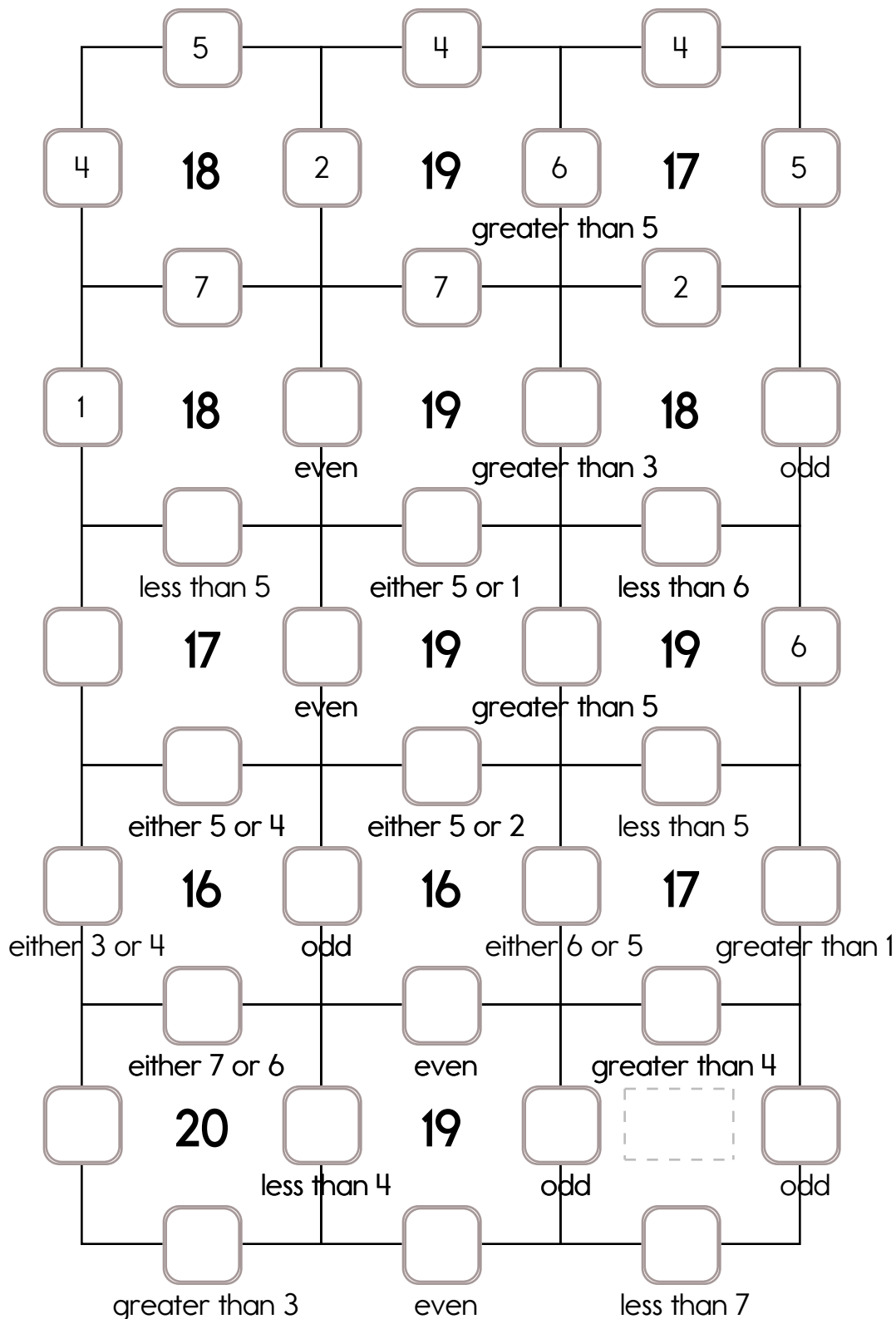


Name: \_\_\_\_\_

Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.

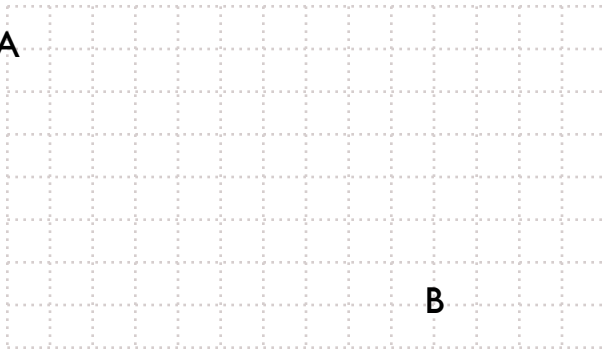
Exactly one of the four numbers has to be one of these numbers: 1, 2, or 3.

The other three numbers have to all be DIFFERENT and must be from these: 4, 5, 6, or 7.



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

A



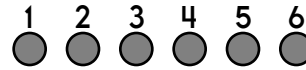
B

- Draw the shortest path that is possible from A to B.
- If each box is one unit long and one unit wide, then the shortest path from A to B is \_\_\_\_\_ units long.
- Draw a point C that is 17 units from B. Draw a path from B to C that is 17 units. It does not need to be the shortest path.

It is 2 units between each dot.

It is 2 units from dot 1 to dot 2.

It is 4 units from dot 3 to dot 5.



Dot 2 is 6 units from dot 5.

Dot 3 is \_\_\_\_\_ units from dot 5.

Dot 5 is \_\_\_\_\_ units from dot 1.

Dot 6 is \_\_\_\_\_ units from dot 2.

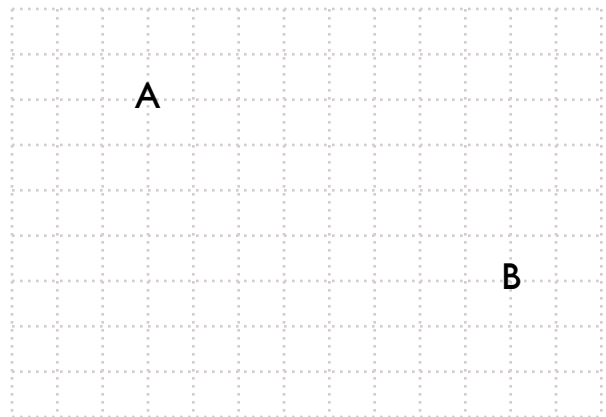
Dot 6 is 8 units from dot \_\_\_\_\_.

Dot 5 is 4 units from dot \_\_\_\_\_.

Dot \_\_\_\_\_ is 8 units from dot 5.

Wendy, Amanda, and Sarah are friends. Draw them! Oh, I forgot to tell you that Amanda is the tallest and Wendy is the shortest. Write their names under each of them.

A

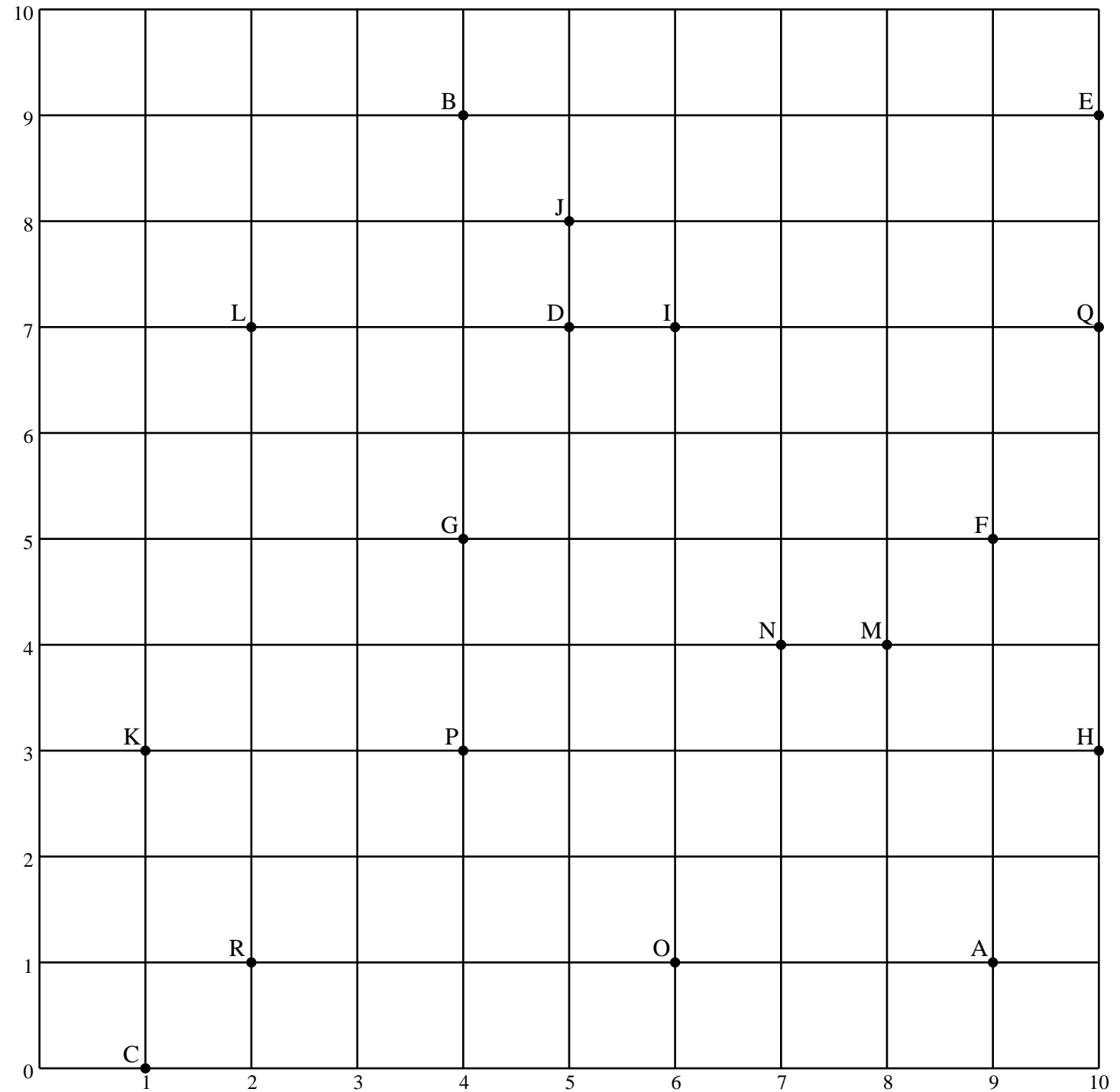


B

- Draw the shortest path that is possible from A to B.
- If each box is one unit long and one unit wide, then the shortest path from A to B is \_\_\_\_\_ units long.
- Draw a point C that is 16 units from B. Draw a path from B to C that is 16 units. It does not need to be the shortest path.

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

Write a line segment that has the given distance (in units). If there is more than one answer then write only one line segment.



4 units AF

2 units \_\_\_\_\_

1 unit \_\_\_\_\_

6 units \_\_\_\_\_

3 units \_\_\_\_\_

9 units \_\_\_\_\_

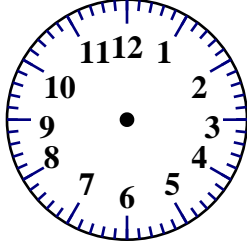
Name: \_\_\_\_\_

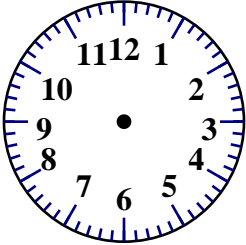
Write the missing sign. $11 \quad \underline{\quad} \quad 9 = 20$	What month comes before November? _____	$\begin{array}{r} 3 \\ 7 \\ + 5 \\ \hline \end{array}$ $\begin{array}{r} 6 \\ 9 \\ + 9 \\ \hline \end{array}$
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Write the final part of the math analogy.

seven dimes and six pennies : \$0.76 :: nine dimes and two pennies :

Explain why you think your answer is correct.

$\begin{array}{r} 35 \\ - 30 \\ \hline \end{array}$	$53 + 4 = \underline{\quad}$	 $\underline{8} : \underline{05}$	$\begin{array}{r} 86 \\ - 40 \\ \hline \end{array}$
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Alex made 5 wild guesses on his spelling test. Four of the guesses were wrong. How many guesses were right?	$\begin{array}{r} 78 \\ - 73 \\ \hline \end{array}$	 $\underline{5} : \underline{25}$	$\begin{array}{r} 65 \\ + 8 \\ \hline \end{array}$	ten less than 524
	$\begin{array}{r} 95 \\ - 10 \\ \hline \end{array}$			

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

Fill in the numbers.

47	48		50
57	58		60
		69	70

	35	36	37	38	39
		46	47	48	49
54	55		57	58	59

11		13
31		33

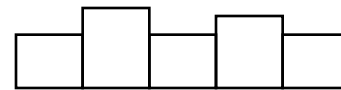
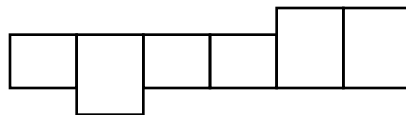
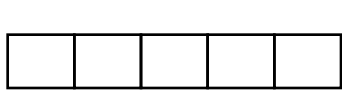
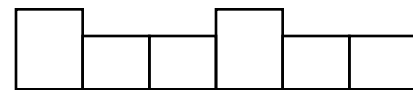
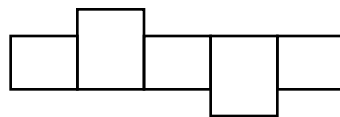
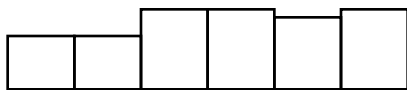
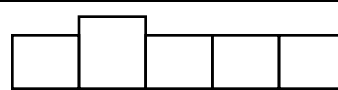
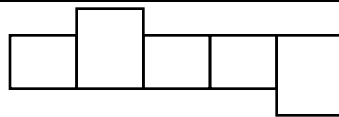
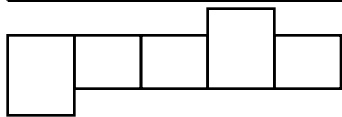
56		
66		68
		88

	24	25	26	
33				37
43		45		47
	54	55		

			66	
73			76	77
	84			87

Write the words into the boxes.

grade • myself • minus • shape • twelve • stain • rabbit • seven  
sheep



Count by fours.

4      12      16      \_\_\_\_\_

Circle the even number.

11      7      15      13  
17      20

Fifteen is an odd number.  
yes      no

84 - 3 = \_\_\_\_\_

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

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

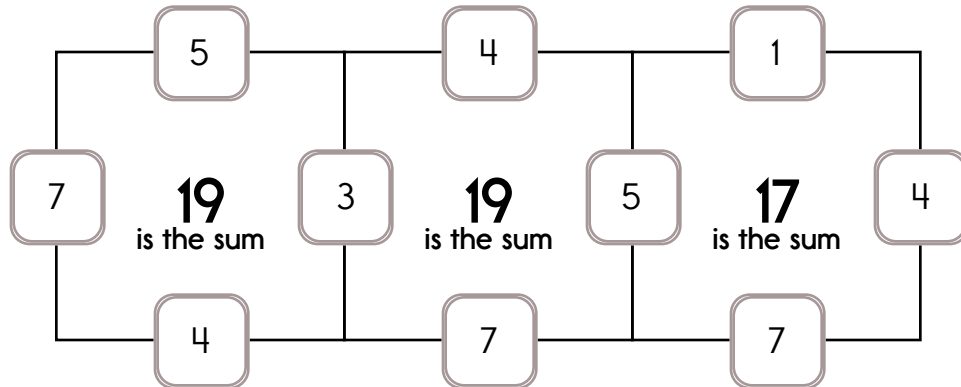
Example:

$$7 + 3 + 5 + 4 = 19$$

Example:

$$5 + 4 + 1 + 7 = 17$$

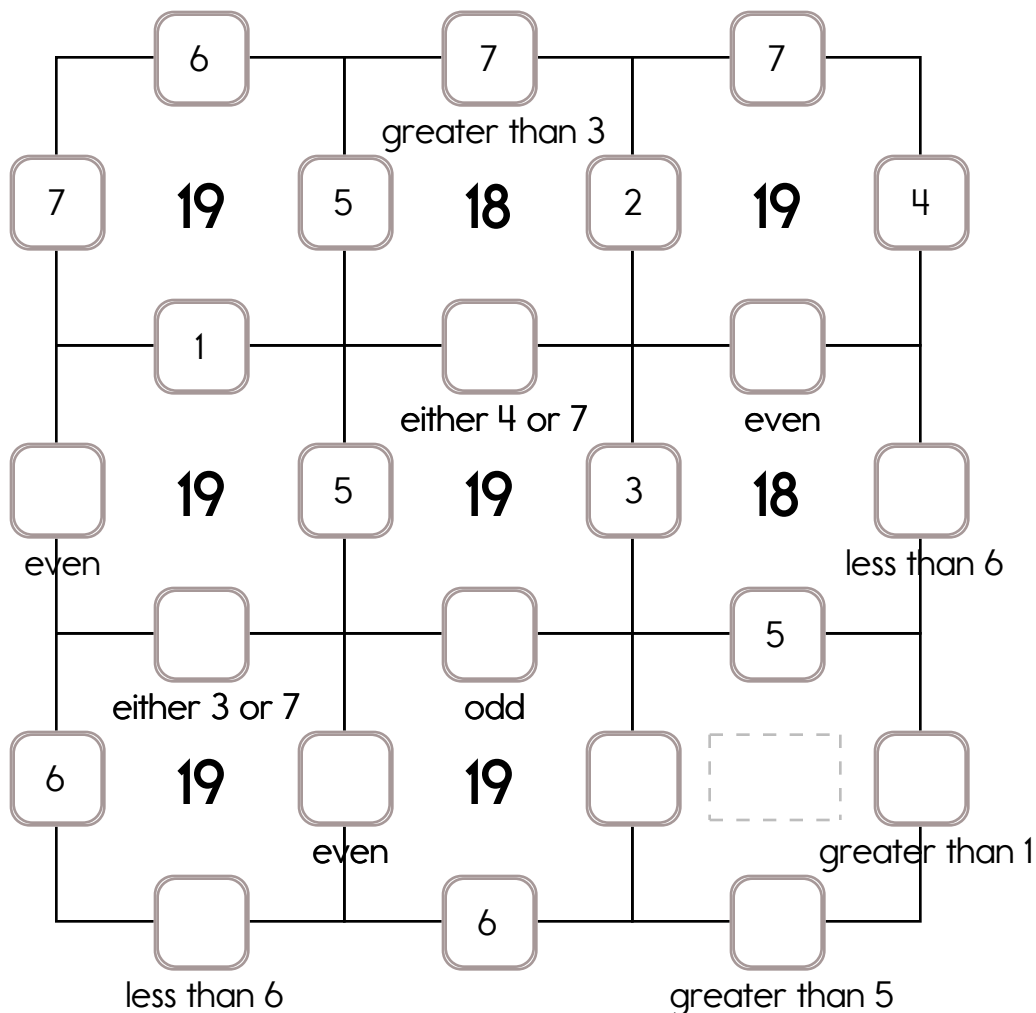
Sample:



Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.

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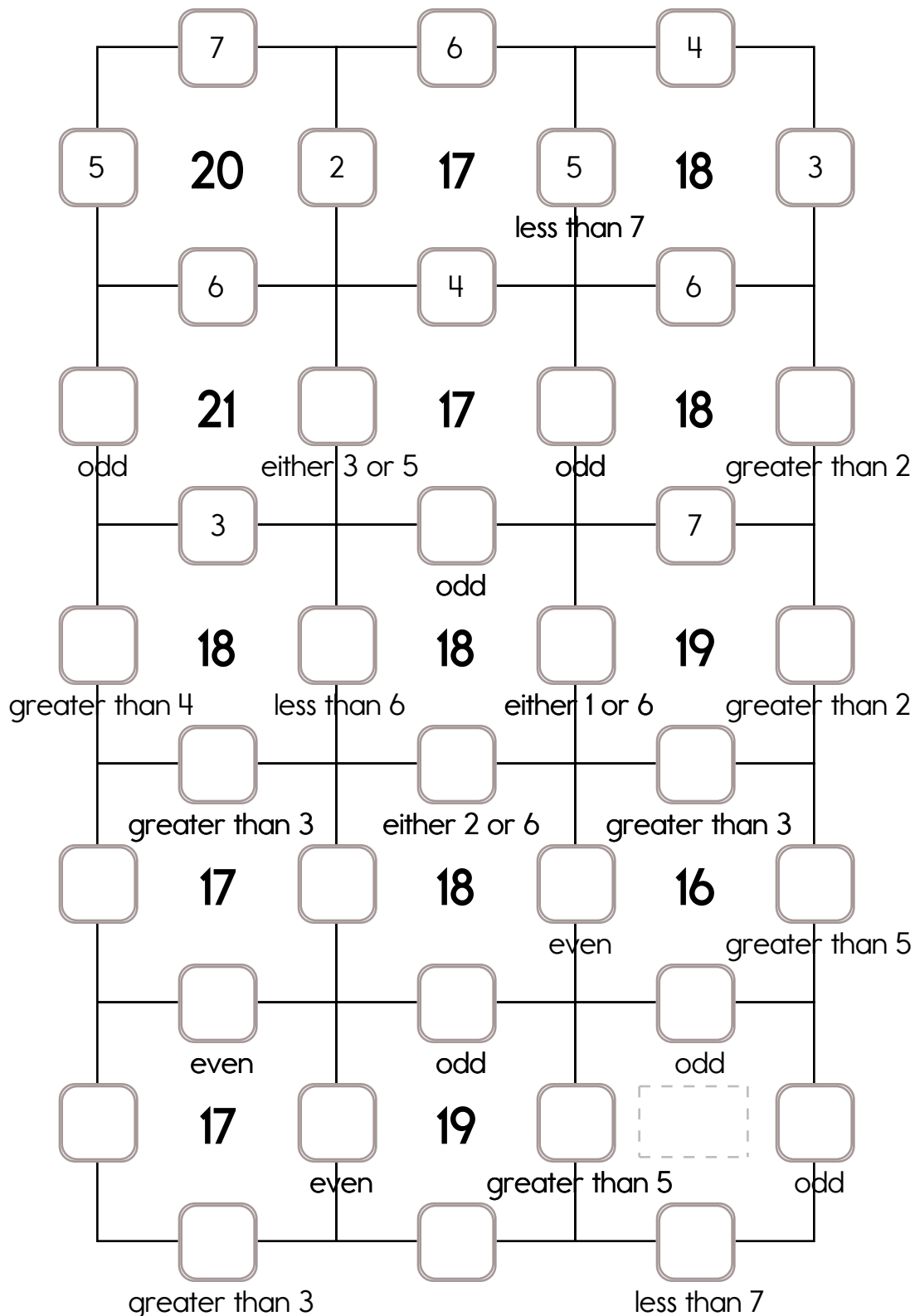


Name: \_\_\_\_\_

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: 1, 2, or 3.

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Complete the pattern.

10	15	20	25	30	35	<div></div>	<div></div>
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35	42	49	56	63	70	<div></div>	<div></div>
----	----	----	----	----	----	-------------	-------------

6	8	10	12	14	16	<div></div>	<div></div>
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10	20	30	40	50	60	<div></div>	<div></div>
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Complete the pattern.

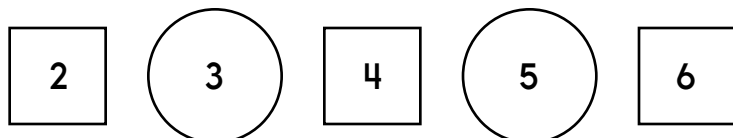
12	15	18	21	24	<div></div>	<div></div>	<div></div>
----	----	----	----	----	-------------	-------------	-------------

27	36	45	54	63	<div></div>	<div></div>	<div></div>
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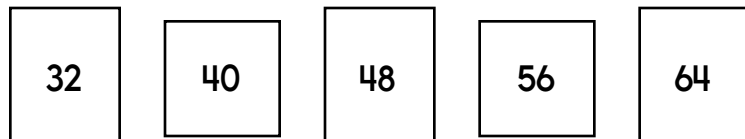
6	12	18	24	30	<div></div>	<div></div>	<div></div>
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Name: \_\_\_\_\_

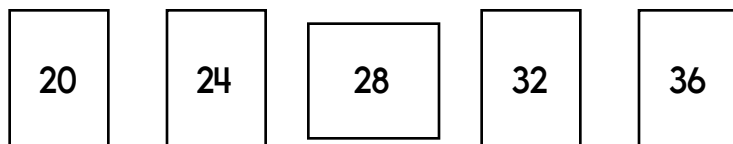
Complete the pattern.



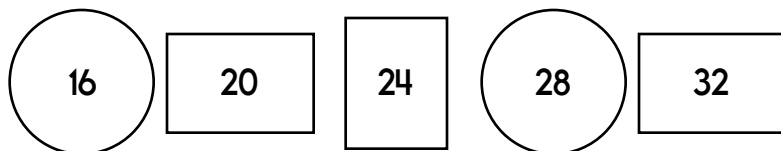
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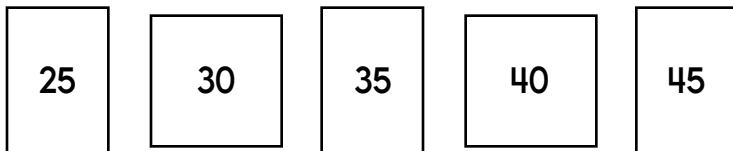


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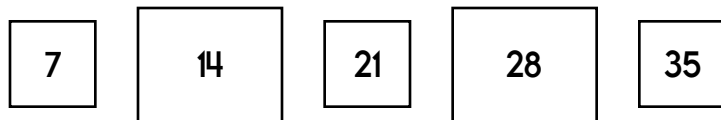


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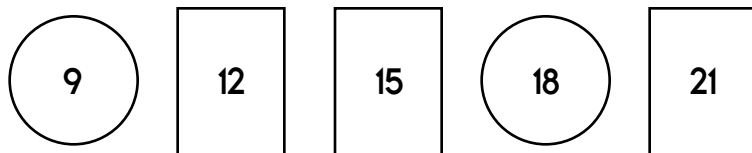
Complete the pattern.



\_\_\_\_\_

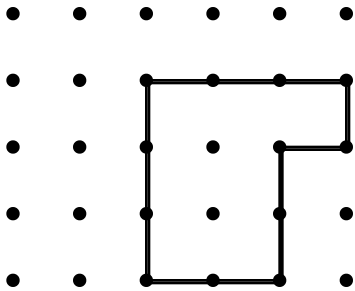


\_\_\_\_\_

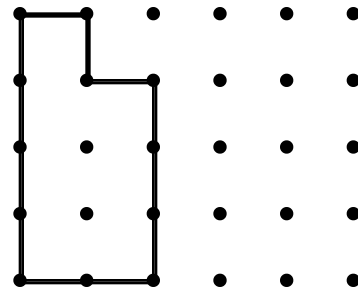


\_\_\_\_\_

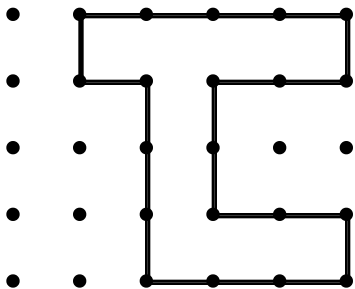
Name: \_\_\_\_\_



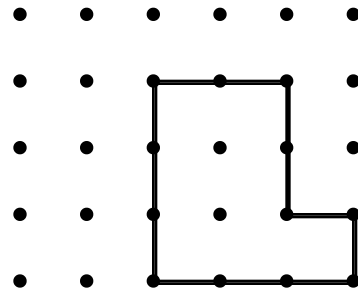
Perimeter =



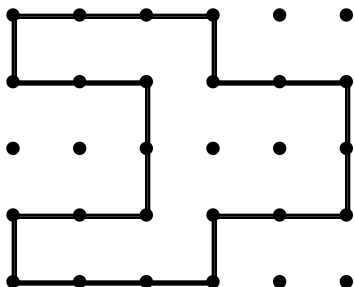
Perimeter =



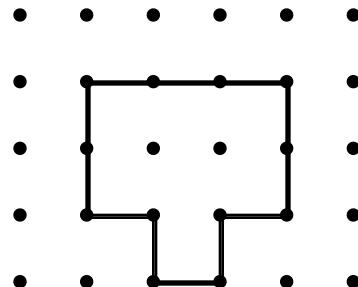
Perimeter =



Perimeter =



Perimeter =



Perimeter =

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

Complete the pattern.

40
48
56
64
72

9
18
27
36
45

24
30
36
42
48

20
30
40
50
60

Fill in the numbers.

<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div>	<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin-bottom: 5px; text-align: center;">59</div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div>	<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">45</div> </div>	<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin-bottom: 5px; text-align: center;">81</div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div>	<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">56</div> </div>
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<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin-bottom: 5px; text-align: center;">83</div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div>	<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin-bottom: 5px; text-align: center;">30</div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div>	<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">22</div> </div>	<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">27</div> </div>	<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin-bottom: 5px; text-align: center;">55</div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div>
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$$\begin{array}{r} 82 \\ - 60 \\ \hline \end{array}$$

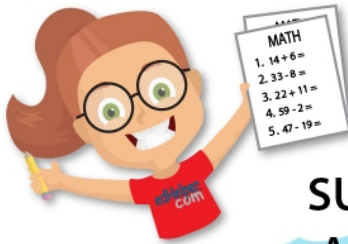
$$\begin{array}{r} 45 \\ + 91 \\ \hline \end{array}$$

$$94 + 1 = \underline{\hspace{2cm}}$$

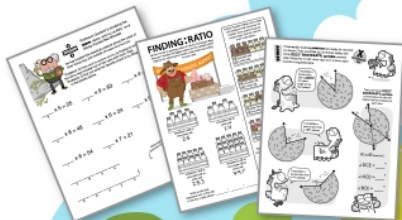
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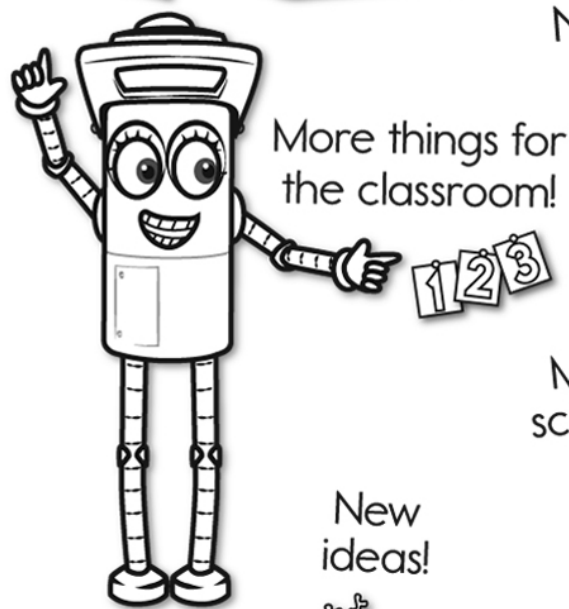
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