

Name: _____

Cross off the number that does NOT belong.

49, 49, 63, 58, 77, 67, 91, 76, 100, 105, 85, 119, 94

Why does _____ not belong in the pattern?

Cross off the number that does NOT belong.

33, 33, 41, 36, 49, 39, 57, 42, 65, 53, 45, 73, 48, 81

Why does _____ not belong in the pattern?

Name: _____

Only use a pencil to write the numbers on the blank lines. You do not need any scrap paper! Solve it in your head. If you forget a number, then start over. Cool, huh?

Mental Math



= Do it
in your
head!

imagine 2 in your head

add 2

add 4

Write the number.

 A

imagine 7 in your head

double it

subtract 4

Write the tens digit.

 B

imagine 5 in your head

add 2

subtract 2

Write the number.

 C

imagine 7 in your head

double it

add 8

subtract 4

Write the even digit
in your answer.

 D

What is the sum?

A + B + C + D

Wow! Great job! That's the answer, but do you know how to SPELL the number?

_____ n _____ y _____ - _____

2 before 15 _____

8 after 12 _____

1 before 12 _____

3 before 16 _____

1 after 14 _____

9 before 13 _____

7 before 19 _____

6 after 17 _____

4 before 18 _____

8 before 17 _____

9 after 11 _____

5 before 11 _____

6 before 14 _____

2 after 16 _____

1 before 16 _____

Name: _____

Anne bought a button. The words on the button said, "Youth Against Violence Day." The button cost \$1.13. Anne gave the clerk \$5. How much change did she get?

Peter lives on a dairy farm. He takes care of 12 of the cows by himself. When he feeds them, he puts enough grain in the bucket for 2 cows. He empties it, and then goes back for enough for 2 more cows. How many times does he have to fill the bucket to feed all the cows?

Can you name the mystery three-digit number?

The second digit is 4 more than the first digit.

If you add the first and the second digits, the sum is 13.

One of the digits is 9.

If you multiply the second and the last digits, the product is 45.

Max drew a very large square with a blue piece of chalk at the playground. One side is 7 feet long. Max wants to walk along the square and can only walk on the line. If he wants to walk the square 3 times by only stepping on the line, how many feet will he end up walking?

Name: _____

6	+54		+30				-1		-5
				-17		+69			
	+3		+19						-73
-2						-14		+4	
-35		+8	66	-7		-18		+6	27

75	+7		-37			39	+59		-3
				-8		+36			
	+66		-4			3			-5
-9						-21		-6	
	-16	74	+13	87	-63			84	

6 + <input type="text"/> = 13	14 + <input type="text"/> = 17	4 + <input type="text"/> = 12	6 + <input type="text"/> = 10
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Name: _____

It costs \$6 per adult and \$3 per child to enter Carlsbad Caverns National Park. It costs \$8 per adult and \$4 per child for the Kings Palace Tour. The Big Room Tour is free. Mr. and Mrs. Moore and their three children went to Carlsbad Caverns. They toured the Big Room and the Kings Palace. How much did they spend in all?

Connor and Alex didn't want to do anything on National Goof Off Day. They looked at the sky. They looked for cloud pictures and counted birds. Connor counted 123 birds. Alex counted 112 birds. They got bored. They went inside to play a game. How many birds did they count in all?

double 800

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

$$\begin{array}{r} 39 \\ + \quad 9 \\ \hline \end{array}$$

Conrad and Sally hated the rain. They had nothing to do. Before the Cat in the Hat came, they played a game. Conrad scored 342 points. Sally scored 278 points. How many more points did Conrad score than Sally?

Sara had 9 books about frogs. She received more books for her birthday. Now she has 16 books about frogs. How many books about frogs did she receive for her birthday?

The Catman takes care of cats without homes. Yesterday he had 16 cats. People brought more cats to him. Today he has 21 cats. How many cats did people bring to him?

$$\begin{array}{r} 249 \\ + \quad 92 \\ \hline \end{array}$$

Write this number:
9 hundreds, 7 ones

Make your own equation.

___ + 7 = ___

Name: _____

There were 129 floats in the parade. What is the value of the digit 2 in the number 129?

Meltrosa did not like her name. She wanted a different name. She wrote down all the names she knew. She put them in six groups. There were seven names in each group. How many names were there in all?

Mrs. Anderson is the oldest person in Siler City. She is 98 years old. She has 5 children. Each of her children has 2 children. How many grandchildren does she have?

Write this number:
9 ones, 2 thousands, 5 tens,
6 hundreds

Write an even number.

Circle the number that is largest.

80,100 80,010

81,000 80,001

Five friends share 15 pieces of pumpkin pie equally. How many pieces does each friend get?

Kevin found 2 sand dollars and 3 conch shells at the beach. What fraction of the group of shells are the sand dollars?

Mr. Jackson has a new truck. He drove it 2.09 miles to the car wash. Then he drove it 2.22 miles to the grocery store. Finally he drove 3.31 miles home. How many miles did he drive in all?

3 more than 753

Round 42 to the nearest 10.

Write this number:
5 tens, 6 hundreds, 9
thousands

Name: _____

Kevin bought a box of dog biscuits. The box cost \$1.19. He gave the storekeeper \$2. How much change will he get back?

Maria wants to go to the juggling show. Tickets cost \$1.25. She has 4 quarters and 4 nickels. How much more money does she need?

It took Jason one-fourth of an hour to finish the puzzle. How many minutes did it take him?

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:

1	5
---	---

4			2
3			
			1

$$\begin{array}{r} 6 \\ 3 \\ + 51 \\ \hline \end{array}$$

☐ iel

☐ ol

☐ eol

☐ oil

$$35 + 4 = \underline{\hspace{2cm}}$$

Complete the analogy.

Boat is to water as plane is to _____.

Name: _____

Jenna has a hug chart. Every day she writes down how many hugs she gets. On Monday, she got seven hugs. On Tuesday, she got four hugs. On Wednesday, she got five hugs. On Thursday, she got seven hugs. How many hugs did she get in all?

Write a word to describe July.

$$\begin{array}{r} 74 \\ - 50 \\ \hline \end{array}$$

$5 + \square = 10$

$5 + \square = 11$

$17 + \square = 20$

$15 + \square = 17$

$$\begin{array}{r} 17 \\ + 51 \\ \hline \end{array}$$

$$\begin{array}{r} 66 \\ - 24 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ - 42 \\ \hline \end{array}$$

$$\begin{array}{r} 98 \\ - 94 \\ \hline \end{array}$$

$$\begin{array}{r} 31 \\ - 10 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ + 60 \\ \hline \end{array}$$

Fill in the blanks with these numbers:
2, 3, 0

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

Fill in the blanks with these numbers:
7, 3, 2

$$\begin{array}{r} \square \quad \square \\ + 5 \quad 2 \\ \hline \square \quad 5 \end{array}$$

$$\begin{array}{r} 52 \\ + 46 \\ \hline \end{array}$$

$3 + \square = 19$

$5 + \square = 16$

$7 + \square = 25$

$4 + \square = 7$

Add. Fill in the blanks.

+	8	1	6
<hr/>			
6	<input type="text"/>	7	12
5	<input type="text"/>	<input type="text"/>	11

You ask Wendy for the time. She says in five minutes it will be three. Write the time on your digital clock:

:

$6 + \square = 18$

Name: _____

$\begin{array}{r} 59 \\ - 26 \\ \hline \end{array}$	<p>Here is an example of shade box addition:</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; display: flex; flex-wrap: wrap;"> <div style="width: 50%; height: 50%; background-color: #cccccc;"></div> <div style="width: 50%; height: 50%; background-color: white;"></div> </div> + <div style="border: 1px solid black; width: 40px; height: 40px; display: flex; flex-wrap: wrap;"> <div style="width: 50%; height: 50%; background-color: white;"></div> <div style="width: 50%; height: 50%; background-color: #cccccc;"></div> </div> = <div style="border: 1px solid black; width: 40px; height: 40px; display: flex; flex-wrap: wrap;"> <div style="width: 50%; height: 50%; background-color: #cccccc;"></div> <div style="width: 50%; height: 50%; background-color: #cccccc;"></div> </div> </div> <p>Complete this shade box addition.</p> <div style="display: flex; align-items: center; justify-content: center; margin-top: 20px;"> <div style="border: 1px solid black; width: 60px; height: 60px; display: flex; flex-wrap: wrap;"> <!-- Empty 6x6 grid --> </div> + <div style="border: 1px solid black; width: 60px; height: 60px; display: flex; flex-wrap: wrap;"> <!-- 8 shaded squares --> </div> = <div style="border: 1px solid black; width: 60px; height: 60px; display: flex; flex-wrap: wrap;"> <!-- 17 shaded squares --> </div> </div> <div style="display: flex; align-items: center; justify-content: center; margin-top: 20px;"> + 8 = 17 </div>	$\begin{array}{r} 56 \\ - 12 \\ \hline \end{array}$
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Draw 3 pictures in the correct order. Use each of the clues so you will know what to draw.

<div style="border: 1px dashed black; padding: 5px; margin-bottom: 10px;"> <p>Draw 1 of these 3 pictures. The picture is NOT in the correct spot.</p> </div> <div style="border: 1px dashed black; padding: 5px;"> <p>Draw 1 of these 3 pictures. The picture is NOT in the correct spot.</p> </div>	<div style="border: 1px dashed black; padding: 5px; margin-bottom: 10px;"> <p>Draw 1 of these 3 pictures. The picture is NOT in the correct spot.</p> </div> <div style="border: 1px dashed black; padding: 5px;"> <p>Draw 2 of these 3 pictures. The pictures to use are in the correct spot.</p> </div>
<p>Draw the 3 pictures in the correct order:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 2px solid black; width: 100px; height: 100px; position: relative;"> <!-- Empty box --> </div> <div style="border: 2px solid black; width: 100px; height: 100px; position: relative;"> </div> <div style="border: 2px solid black; width: 100px; height: 100px; position: relative;"> <!-- Empty box --> </div> </div>	

<p>Add one hundred to 5,898.</p> <p>_____</p>			
$8 + \boxed{} = 11$	$18 + \boxed{} = 25$	$4 + \boxed{} = 7$	$8 + \boxed{} = 20$

Name: _____

$$\begin{array}{r} 22 \\ + 97 \\ \hline \end{array}$$

$$\begin{array}{r} 99 \\ + 33 \\ \hline \end{array}$$

$$\begin{array}{r} 174 \\ - 94 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ - 39 \\ \hline \end{array}$$

$$\begin{array}{r} 61 \\ + 27 \\ \hline \end{array}$$

$$\begin{array}{r} 111 \\ - 88 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ + 94 \\ \hline \end{array}$$

$$\begin{array}{r} 113 \\ - 17 \\ \hline \end{array}$$

$$\begin{array}{r} 92 \\ + 14 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ - 13 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 145 \\ - 52 \\ \hline \end{array}$$

$$\begin{array}{r} 125 \\ - 49 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ + 74 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ + 74 \\ \hline \end{array}$$

$$\begin{array}{r} 114 \\ - 78 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ - 23 \\ \hline \end{array}$$

$$\begin{array}{r} 39 \\ + 87 \\ \hline \end{array}$$

$$\begin{array}{r} 101 \\ - 61 \\ \hline \end{array}$$

$$\begin{array}{r} 104 \\ - 84 \\ \hline \end{array}$$

$$\begin{array}{r} 163 \\ - 75 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ + 15 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ + 67 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ + 61 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ + 60 \\ \hline \end{array}$$

$$\begin{array}{r} 119 \\ - 88 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ + 40 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ - 56 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ + 58 \\ \hline \end{array}$$

$$\begin{array}{r} 102 \\ - 66 \\ \hline \end{array}$$

$$\begin{array}{r} 155 \\ - 72 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ + 82 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ + 78 \\ \hline \end{array}$$

$$\begin{array}{r} 92 \\ + 56 \\ \hline \end{array}$$

$$\begin{array}{r} 102 \\ - 61 \\ \hline \end{array}$$

$$\begin{array}{r} 107 \\ - 92 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ + 21 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ + 16 \\ \hline \end{array}$$

$$\begin{array}{r} 131 \\ - 89 \\ \hline \end{array}$$

$$\begin{array}{r} 111 \\ - 48 \\ \hline \end{array}$$

$$\begin{array}{r} 124 \\ - 55 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ + 50 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 2 \\ \hline \square \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ + \square \\ \hline 20 \\ + 8 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 30 \\ - \square \\ \hline 21 \\ - 9 \\ \hline \end{array}$$

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

Name: _____

$$\begin{array}{r} 9 \\ X 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ X 4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ X 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ X 6 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ X 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ X 8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ X 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ X 4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ X 8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ X 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ X 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ X 6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ X 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ X 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ X 2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ X 5 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ X 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ X 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ X 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ X 9 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ X 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ X 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ X 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ X 6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ X 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ X 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ X 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ X 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ X 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ X 8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ X 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ X 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ X 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ X 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ X 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ X 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ X 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ X 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ X 9 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ X 8 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ X 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ X 9 \\ \hline \end{array}$$

Name: _____

Find 2 equations hidden in each box. Good luck!

$9 - 8$

$9 - 2$

7

1

$7 - 1$

2

5

$1 - 1$

Write 2 equations: _____

$26 + 68$

78

$41 + 55$

$71 + 20$

$26 + 26$

$14 + 99$

$94 + 64$

82

113

$75 + 32$

94

142

111

191

102

Write 2 equations: _____

15

$93 - 59$

2

37

60

$64 - 54$

43

38

20

$86 - 34$

41

7

$86 - 26$

18

$85 - 10$

$84 - 41$

79

19

Write 2 equations: _____

Name: _____

$$\begin{array}{r} 633 \\ + 476 \\ \hline \end{array}$$

$$\begin{array}{r} 909 \\ - 646 \\ \hline \end{array}$$

$$\begin{array}{r} 200 \\ + 123 \\ \hline \end{array}$$

$$\begin{array}{r} 382 \\ + 504 \\ \hline \end{array}$$

$$\begin{array}{r} 584 \\ - 437 \\ \hline \end{array}$$

$$\begin{array}{r} 303 \\ - 191 \\ \hline \end{array}$$

$$\begin{array}{r} 346 \\ - 171 \\ \hline \end{array}$$

$$\begin{array}{r} 122 \\ + 952 \\ \hline \end{array}$$

$$\begin{array}{r} 904 \\ + 750 \\ \hline \end{array}$$

$$\begin{array}{r} 911 \\ + 927 \\ \hline \end{array}$$

Fill in the numbers.

53	54	55	56	57	58
	64	65	66	67	
		75	76	77	78
83	84		86	87	88
93	94	95	96	97	98

12	13		15	16	17
22	23	24			27
32	33			36	37
42			45	46	47
52	53				57

61

		33	34	35	
			44	45	46
	52	53		55	56
	62			65	

			64
			74
		83	84
91			

		26
34		36
	45	

word root **loqu** can mean **talk**

eloquent, loquacious

Name: _____

Complete each analogy with the best word.

dark	walk	sun
Yellowstone	Neptune	jungle
spark	wet	swim
play	keys	Sun
planets	desert	crawl
drum	Earth	jump
grand	noon	

mountain : valley ::

rainforest : _____

tree : climb ::

river : _____

morning : light ::

evening : _____

night : stars ::

day : _____

$$\begin{array}{r} 8 \ 5 \ 7 \ 2 \\ - 1 \ 2 \ 4 \ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \ 9 \ 3 \ 1 \\ + 3 \ 3 \ 5 \ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \ 5 \ 0 \ 4 \\ + 7 \ 8 \ 2 \ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \ 7 \ 2 \ 2 \\ - 3 \ 0 \ 8 \ 9 \\ \hline \end{array}$$



Write this number using words.

Write the meaning of the underlined word.

The cereal became soggy after it sat in milk too long.

$$9 + \boxed{} = 28$$

$$4 + \boxed{} = 13$$

$$9 + \boxed{} = 14$$

$$5 + \boxed{} = 12$$

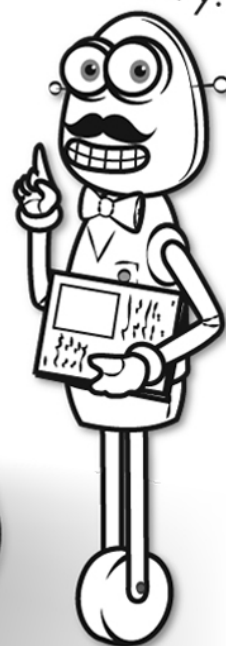


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\times
 $\times =$
 $- \div$
 $< - >$

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