

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 9 in your head

multiply 11

subtract 7

Write the tens digit.

\_\_\_\_\_  
A

imagine 9 in your head

multiply 3

subtract 6

add 9

subtract 9

Add the tens digit to the ones digit.

Write the sum.

\_\_\_\_\_  
B

imagine 3 in your head

multiply 5

subtract 7

multiply 2

Write the even digit in your answer.

\_\_\_\_\_  
C

imagine 9 in your head

subtract 9

add 7

multiply 2

add 8

Write the ones digit.

\_\_\_\_\_  
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 \_\_\_\_\_ t \_\_\_\_\_

4 before 19 \_\_\_\_\_

1 after 18 \_\_\_\_\_

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

1 before 14 \_\_\_\_\_

7 after 15 \_\_\_\_\_

8 before 18 \_\_\_\_\_

7 before 15 \_\_\_\_\_

9 after 14 \_\_\_\_\_

5 before 13 \_\_\_\_\_

9 before 16 \_\_\_\_\_

4 after 13 \_\_\_\_\_

3 before 11 \_\_\_\_\_

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$$3793 + 6,115 =$$

- A) 9,908
- B) 9,978
- C) 3,608
- D) 9,108

Find the perimeter of a decagon if all of the sides equal 6 mi.

- A) 60 mi
- B) 48 mi
- C) 42 mi
- D) None of the above

What does the \_\_\_\_\_ stand for in the following equation?

$$\text{_____} + 7 = 16$$

- A) 23
- B) 45
- C) 9
- D) -7

A polygon has twelve sides. How many vertices does the polygon have?

- A) 12
- B) 4
- C) 16
- D) 11

$$5.3 + 2.8 =$$

- A) 8.456
- B) 1.1
- C) 10.462
- D) 8.1

If the following numbers were in order from least to greatest, what is the middle number?

300, 750, 700, 650, 275, 575, 675, 550, 325, 725, and 225

- A) 325
- B) 750
- C) 675
- D) 575

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

19.7	+19.4							
		-16.1		-1			+34	
								-27
-31		+51.6		+77.2				+6.9
				4.8			-4.6	
+9				-37.5		+64.2		
	-7.3		-3				-2	92.7

13.9	+5.3		-1		-2		+24.7		+6
	-33.5		+27.2		+30.8		-8.6		-9.2
+44.1							18.4		31.3
84.8	-63	21.8	-14.4		+7		+4		

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$$\begin{array}{r} 76 \\ + \quad 9 \\ \hline \end{array}$$

It is 7:44 when Ava leaves her house. She arrives at school at 8:05. How much time has passed?

4, 8, \_\_\_\_\_, 16, 20, 24, 28

Circle the three numbers whose sum equals 22.

5      6      11  
9      5      9

Circle the number that is largest.

40,004    40,400  
40,040    44,000

Circle the even numbers.

66    33    42    55  
84    87    49    71    60  
58    76    80    53

How many tens are in the number 5,300?

double 23 =

$36 \div 4 =$

At 2 p.m. today, Pam will not be able to use her electronics for 4 hours. At what time will she be able to resume using her phone?

You have a playdate in 300 minutes. How many hours is that?

$17 + \underline{\quad} + 24 = 55$

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

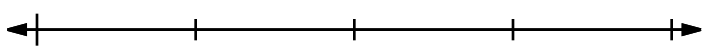
What is the sum of 40 and 361?

The number 74 is more than the number 9 by how much?

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

<p>Megan went to the circus with her father and mother. The best part of the circus was the clown. He could juggle and make people laugh at the same time! The tickets cost \$8.89 each. How much did it cost for Megan, her father, and her mother to go to the circus?</p>	<p>Jason is having a cookout at his house. He likes autumn better than any other season. Every year he has a party on the first day of autumn. This year Jason's cookout begins at 5:00 p.m. It is 1:42 p.m. on the day of the party. How long will it be until the party begins?</p>	<p>Amanda went to Cullowhee Café and ordered a hamburger with lettuce, tomato, and mayonnaise on it, a small order of french fries, and a large drink. The total price was \$4.69. If she pays for her meal with a 5-dollar bill, how much change will she get?</p>
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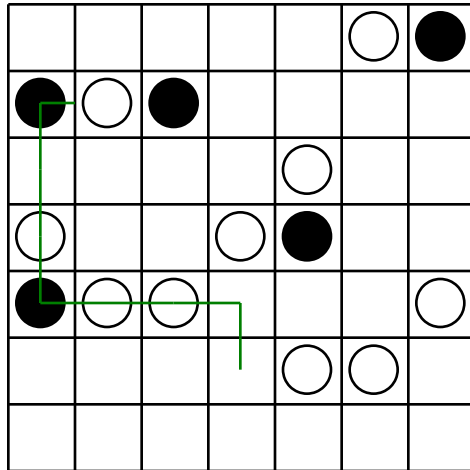
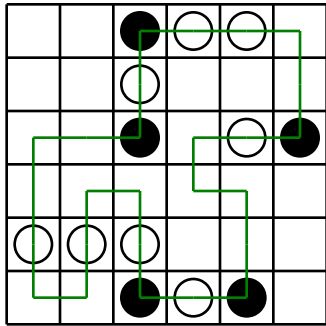
<p>What is the value of the BIG digit?</p> <p>4,361,4<b>2</b>9</p> <p>_____</p>	<p>There are six cars parked in a row exactly the same distance from each other. The first car is 25 inches from the second car. The first car is 50 inches from the third car. How far is the third car from the sixth car?</p> <p>_____</p>	<p>9 <math>\overline{)45}</math></p>
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<p>Do parallel lines intersect?</p> <p>_____</p>	<p>Locate where to put the number 505,000 and label the point B.</p>  <p>500,000 520,000</p>
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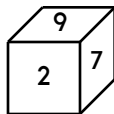
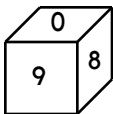
<p>Circle the best estimate for the answer to:</p> <p>2,121 - 373</p> <p>1,700      2,000      2,500      1,900</p>	<p>5 2</p> <p>+ 1 3</p> <p>_____</p>	<p>Share 32 equally among 4.</p> <p>_____</p>
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The first puzzle shows a correct line going through all the circles.

Finish the line:



A cube is shown with three visible faces. The top face is labeled '0', the front face is labeled '8', and the right face is labeled '4'.



9		4
	7	
	2	

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$$\begin{array}{r} 59 \\ - 46 \\ \hline \end{array}$$

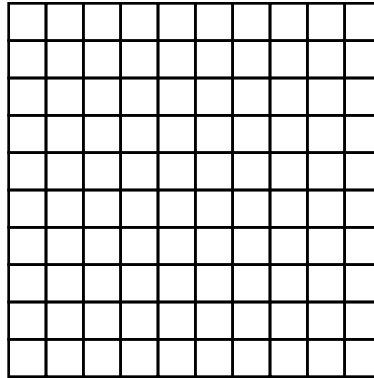
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Name: \_\_\_\_\_

Mrs. Walker is making salad for the second grade picnic. There will be 62 students, 6 teachers, and 11 parents at the picnic. Five people don't like salad. How many people do like salad?

Color  $\frac{63}{100}$ .



The second grade class has a band. There are 24 students in the band. Two-thirds of them play kazoos and a third of them play combs! How many students play kazoos?

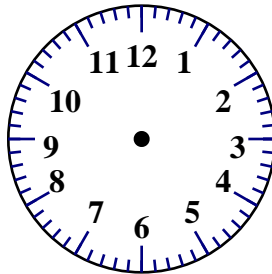
Circle the largest number.

453      464      395  
600      624      426

Color in  $\frac{2}{4}$  of the rectangle.



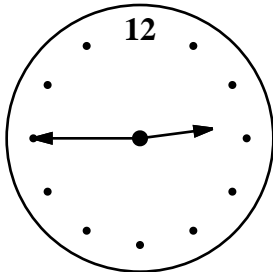
09:00



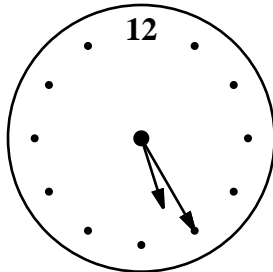
- ☐ ier
- ☐ uo
- ☐ our
- ☐ ourr

What are 38 tens equal to?

\_\_\_\_\_



current time (pm)



time party starts (pm)

How long until the party? \_\_\_\_\_

What is a good estimate for 8 times 648?

\_\_\_\_\_

What is the area of a rectangle that measures 7 cm by 4 cm?

\_\_\_\_\_

$$\begin{array}{r} 11 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$$

Calculate the sum of 35, 40, and 5.

\_\_\_\_\_

$$\begin{array}{r} 87 \\ - 66 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ - 17 \\ \hline \end{array}$$

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$$\begin{array}{r} 77,269 \\ + 87,997 \\ \hline \end{array}$$

$$\begin{array}{r} 115,278 \\ - 83,990 \\ \hline \end{array}$$

$$\begin{array}{r} 136,111 \\ - 69,164 \\ \hline \end{array}$$

$$\begin{array}{r} 97,865 \\ + 68,938 \\ \hline \end{array}$$

$$\begin{array}{r} 92,394 \\ + 61,248 \\ \hline \end{array}$$

$$\begin{array}{r} 71,385 \\ - 21,461 \\ \hline \end{array}$$

$$\begin{array}{r} 79,108 \\ - 22,851 \\ \hline \end{array}$$

$$\begin{array}{r} 93,031 \\ + 73,739 \\ \hline \end{array}$$

$$\begin{array}{r} 111,373 \\ - 34,288 \\ \hline \end{array}$$

$$\begin{array}{r} 30,937 \\ + 15,987 \\ \hline \end{array}$$

$$\begin{array}{r} 39,045 \\ + 42,000 \\ \hline \end{array}$$

$$\begin{array}{r} 91,009 \\ - 36,858 \\ \hline \end{array}$$

$$\begin{array}{r} 126,162 \\ - 80,957 \\ \hline \end{array}$$

$$\begin{array}{r} 186,788 \\ - 99,228 \\ \hline \end{array}$$

$$\begin{array}{r} 25,070 \\ + 31,511 \\ \hline \end{array}$$

$$\begin{array}{r} 91,697 \\ + 37,015 \\ \hline \end{array}$$

$$\begin{array}{r} 78,611 \\ - 25,842 \\ \hline \end{array}$$

$$\begin{array}{r} 74,629 \\ + 11,820 \\ \hline \end{array}$$

$$\begin{array}{r} 109,048 \\ - 84,599 \\ \hline \end{array}$$

$$\begin{array}{r} 110,859 \\ - 71,023 \\ \hline \end{array}$$

$$\begin{array}{r} 23,147 \\ + 54,324 \\ \hline \end{array}$$

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

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

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

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

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

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

$$\begin{array}{r} 17 \\ + 7 \\ \hline \square \end{array}$$

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

$$\begin{array}{r} 28 \\ + \square \\ \hline \end{array}$$

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

$$\begin{array}{r} 26 \\ - \square \\ \hline \end{array}$$

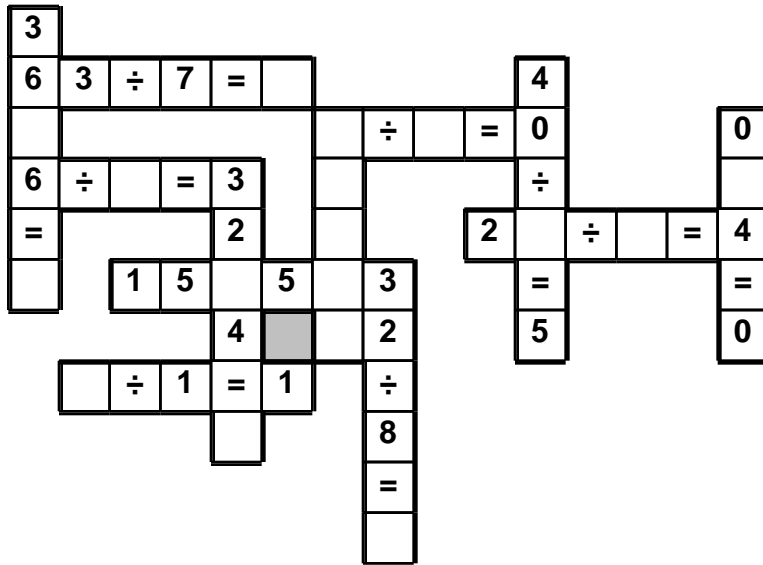
$$\begin{array}{r} 19 \end{array}$$



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

9 • ÷ • 0 • 7 • 2 • ÷ • ÷ • 2 • 8 • 7 • 6 • ÷ • = • 0 • 1 • 8  
4

Use the pieces above to help you fill in the runaway math puzzle.

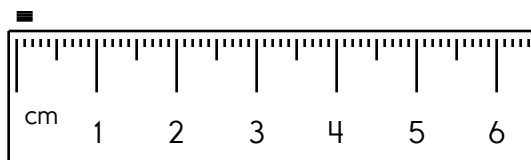


Calculate the product of 6 and 9.

\_\_\_\_\_

Write the length in centimeters.

\_\_\_\_\_



$$\begin{array}{r} 59 \\ - 49 \\ \hline \end{array}$$

The sum of two whole numbers is twenty-four. The difference between the two numbers is ten. What are these two numbers?

\_\_\_\_\_

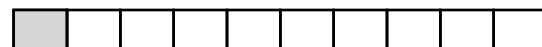
☐ avoid

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Write the unshaded part as a decimal.

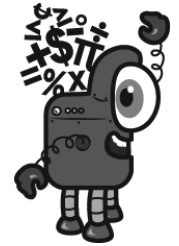


\_\_\_\_\_

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

Mental Math

— #1 —



- Start with the number 48.

48

- Increase that number by 3.

2 8 5 1 6 2 3 2 8 1 (Circle your answer to double check you are correct.)

- Add the number of nickels in a dollar.

9 6 7 1 3 4 8 7 1 0

- Round to the nearest ten.

1 2 6 6 4 7 0 4 2 5

- Add the number of days in a week.

4 7 8 6 2 8 7 7 6 0

- Subtract 4 tens.

2 4 1 3 7 6 5 9 7 6

- Add a dozen.

2 4 9 0 5 3 8 3 9 2

- Add the number of legs on 7 chickens.

6 3 9 7 5 5 8 9 6 0

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

9 8 5 4 9 0 2 0 6 4

- Add the number of cups in 2 quarts.

3 1 7 3 5 8 8 4 9 5

- Add half of 20.

2 4 6 1 2 7 9 1 4 3

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 4 →				
	sum of 5 ↓		sum of 3 →			sum of 9 ↓	sum of 7 ↓
sum of 12 ↓	2		sum of 9 ↓	sum of 7 →			
	1			sum of 9 →			
	2				sum of 8 ↓		
		sum of 6 →					
				sum of 6 →			
sum of 8 →				sum of 8 →			

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

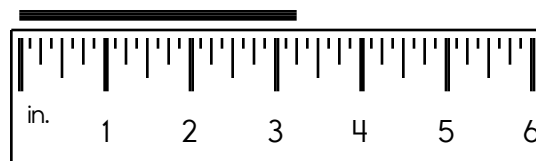
Would you use a ruler or a yardstick to measure the length of your classroom?

\_\_\_\_\_

$$\begin{array}{r} 47 \\ + 65 \\ \hline \end{array}$$

Write the length in inches.

\_\_\_\_\_



One side of a square measures six centimeters. What is the area of this square?

\_\_\_\_\_

What polygon has six sides?

\_\_\_\_\_

- ☐ telking
- ☐ talkig
- ☐ tawking
- ☐ talking

How many fourths are in 4?

\_\_\_\_\_

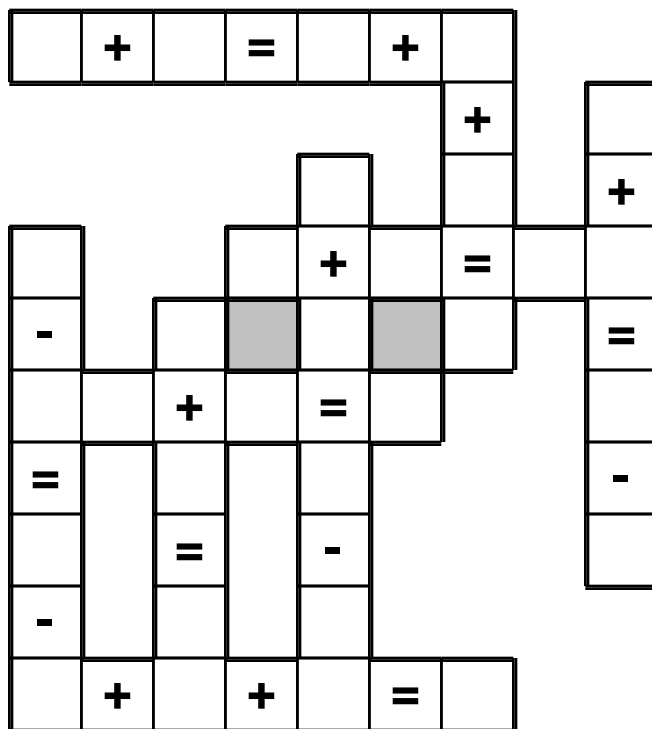
Make a pattern.  
Start with 101.  
Subtract 12.

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

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

1 • 6 • 7 • 0 • 2 • 3 • 8 • 4 • 9 • 4 • 1 • 3 • 6 • 3 • 8 • 0  
2 • 6 • 8 • 5 • 6 • 6 • 6 • 0 • 1 • 0 • 2 • 2 • 0 • 4

Use the pieces above to help you fill in the runaway math puzzle.



Is 827 closer to 800 or 900?

How much greater is 180 than 47?

If you exchange 120 dimes for dollars, then how many dollars would you get?

How many total legs are on 9 ants?

Which number is a 3-digit even number?

$12 \times 4 + 8 \times 7$

Name \_\_\_\_\_



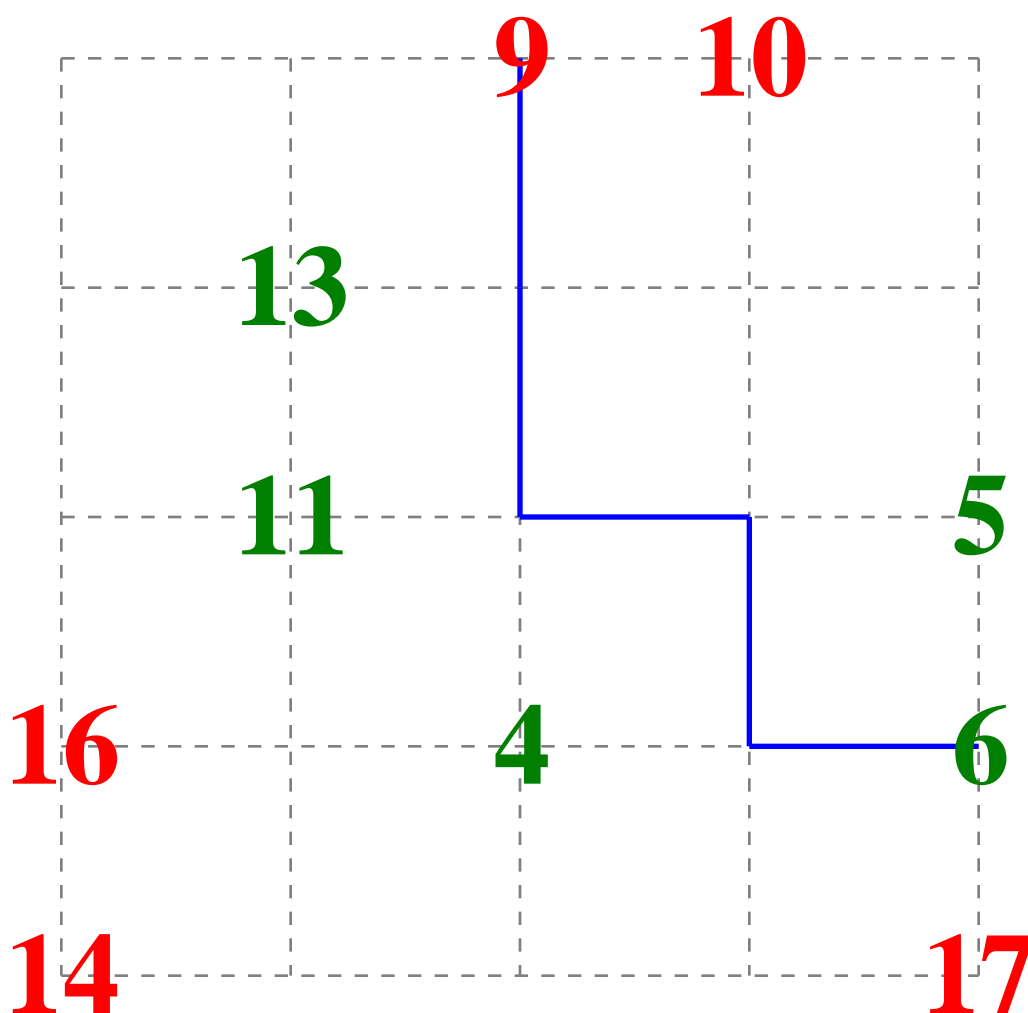
Date \_\_\_\_\_

# Greater and Less Than Number Kissing

Start at a green number and draw a line to any red number that is greater than the green number.

Draw a line that connects one number to one other number to kiss. Draw your lines over the trace lines. No lines may cross. Once you draw a line to a number, that number cannot be used again.

One complete line has already been drawn for you.





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

More puzzles!



