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 7 in your head	imagine 4 in your head	imagine 2 in your head	imagine 5 in your head
multiply 8	multiply 2	multiply 5	add 1
add 3	add 8	multiply 7	double it
	add 4	double it	subtract 8
	add 6	add 9	add 8
	Add the tens digit to the ones digit. Write the sum.		
Write the tens digit.		Write the tens digit.	Write the odd digit in your answer.
_____	_____	_____	_____
A	B	C	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?

_____ _____ _____ _____ _____ _____ _e_ _____

4 before 15 _____	8 after 16 _____	1 before 11 _____
2 before 14 _____	1 after 11 _____	6 before 19 _____
8 before 16 _____	7 after 19 _____	9 before 13 _____
7 before 17 _____	2 after 13 _____	3 before 12 _____

Name: _____

Can you draw lines to cover every number or shape in the picture?
You can only move left, right, up, or down. And definitely no starting or stopping in a blank spot!
The first one is already done for you. Good luck.

Draw exactly 8 lines.
Start on 1.
Do not pick up your pencil.

5 4 4 4
7 6 2 2 3
7
7
8 8 8 9

Draw exactly 9 lines.
Start on 1.
Do not pick up your pencil.

10
1 4 4 4 5
8 9 5
3 5
7
7 6 6
2 3

Draw exactly 8 lines.
Start on the square.
Do not pick up your pencil.

Draw exactly 6 lines.
Start on the square.
Do not pick up your pencil.

Draw exactly 8 lines.
Start on the square.
Do not pick up your pencil.
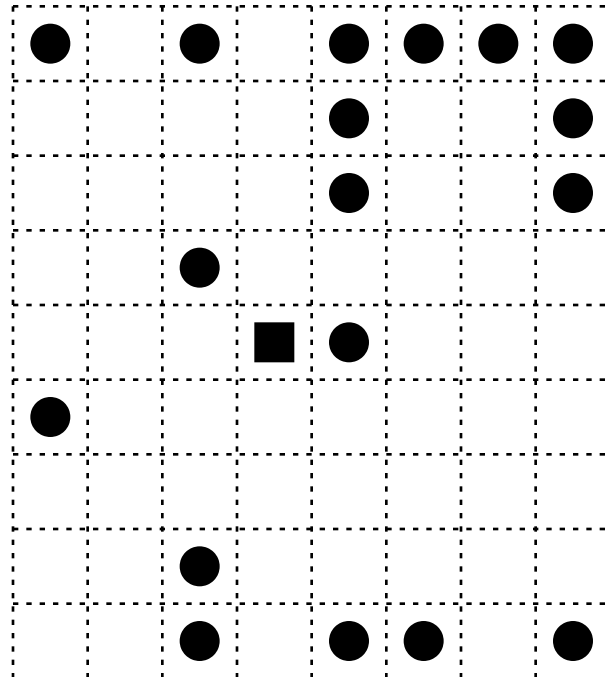
Name: _____

The fifth grade class baked twelve dozen brownies for the bake sale. Each brownie was a two inch square. They put four brownies in each package. What was the total area of the four brownies?

Tallman's Turkeys raised 4,008 turkeys in 2004. Trenton Turkeys raised 1,921 more turkeys than Tallman's. Write an equation and solve it to find the number of turkeys that Trenton raised.

Kevin is making his favorite ultimate chocolate chip cookies for a huge party at school. He just finished dropping rounded tablespoons of dough on his cookie sheet and was able to fit 16, which will make 16 cookies. The problem is that he needs to make 87 cookies for his party, and his oven can only fit one cookie sheet at a time. How many times will he have to put a cookie sheet into the oven to make enough cookies?

It is 8 a.m. and the animals are waking up. In exactly 5 minutes, Amanda will purr. Amanda will then purr every 5 minutes until 10 a.m.! To make matters worse, in exactly 13 minutes, Justin will purr. Justin will then purr every 13 minutes until 10 a.m.! How many times will both of them be making noise at exactly the same time?

word root **rect** can mean **right**   **rectangle, rectify**

Name: _____

Guess the number in your head. Keep guessing until your numbers are correct.

Then write the correct answer!

☺ + ☺ + ☺ = 57

😮 + ☺ = 38

😮 + ☺ + 4 = 42

☺ - 😮 = _____

☺ = _____   😮 = _____

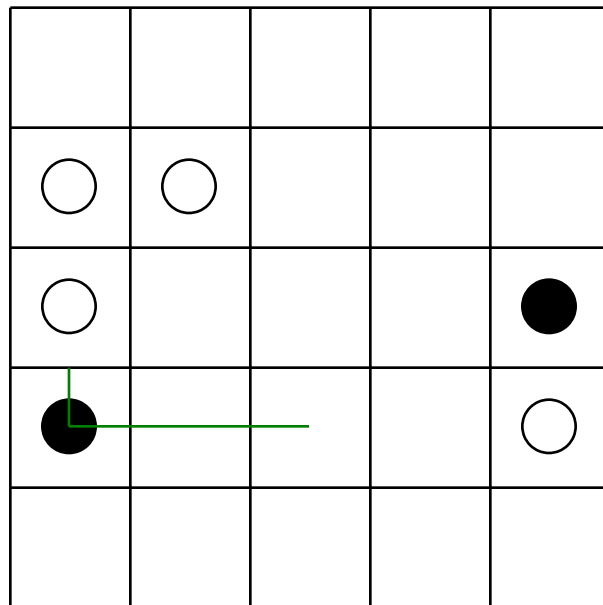|		
8 before 16 _____	3 after 15 _____	7 before 17 _____
3 before 13 _____	6 after 11 _____	4 before 14 _____
9 before 15 _____	5 after 16 _____	1 before 19 _____
2 before 11 _____	4 after 14 _____	6 before 18 _____
5 before 12 _____	9 after 13 _____	7 before 18 _____
4 before 80 _____	2 after 80 _____	3 before 84 _____

Name: _____

Only five-hundredths of poems entered in the contest won prizes. Some of the others were good, and some were very bad! Write five-hundredths as a decimal.

Megan has 80 coins in her bank. They are all dimes and nickels. She has three times as many dimes as nickels. How much money does she have in her bank?

On Wear Your Pajamas to Work Day, all $\frac{1}{2}$ of them wore red and white pajamas, and the rest of the office workers wore other colors. How many of the office workers wore other colors?

Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

The puzzle on the left shows a correct line going through all the circles.

Finish the line:

Finish the line:

Name: _____

6 x 9 =

Six kids and three adults are going to the circus. Kid's tickets are on sale for only half the price of adult tickets. The total cost is $60. How much is one kids ticket? How much is one adult ticket?

```
  7 1
- 3 9
```

The principal of your school wants to buy twenty-one books. Each book costs $12.30. She wants to estimate how much it will cost. Show her how you would estimate the cost:

```
  5 7 1
- 2 6 2
```

```
  2 2
+ 2 2
```

Write this as a number in standard form. Use a comma in your number.

five hundred twenty thousand, seven

_____

Write a letter that has two or more lines of symmetry.

_____

56 ÷ 7 =

Draw a shape that has between three and five lines. The shape should have at least one line of symmetry. Show the line of symmetry using a dotted line.

How many grams are in 7 kilograms?

_____ grams

Choose the word that best completes the sentence.

Let's go (to/too) the mall after school.

Name: _____

What Words? Your Words!

Fill in the boxes with letters to make words. Each box is worth points. Earn points by filling in as many boxes as you can. Sum up the points you earn for each word.

Make a Word	Sum
1 2 4 6 10 14 S H **E R I F F S**	37
1 2 4 6 10 16 R E	
1 2 F L	
1 2 4 6 10 16 A	
1 2 4 8 14 20 P I	

Make a Word	Sum
1 2 4 6 8 12 16 O	
1 2 4 6 10 I	
1 2 4 8 12 O	
1 2 6 10 16 22 W A	
1 2 4 8 14 P I	

$35 \div 7 =$

Which has the smallest answer?

$221 \div 32$ $212 \div 32$ $226 \div 32$

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

---

1 kg = 1,000 g

16 kg = _____ g

Emma has two favorite numbers. If you add her favorite numbers, you get 18. If you multiply her favorite numbers, you get 77. What are her mystery numbers?

_____

$7 \times 12 =$

Name: _____

= • 2 • 7 • 6 • x • 5 • 7 • 2 • x • 1 • 8 • 4 • 0 • x • 9 • =
0

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

		1	**0**	**÷**	**5**		
8	**x**		**=**	**5**			**x**
÷			**5**		**7**	**=**	**3**

4   **9**   **=**

=   **7** **x**   **=** **4** **9**   **1**

2   **5**   **0**

4 **÷**   **=** **4**   **6**

=

=   **2** **0** **÷** **5** **=**

4

16 lb = _____ oz

Anne wants Jenna to guess a two digit number. She tells Jenna that her number has two different digits. The digits are 4 and 9. Jenna thinks. She then guesses the number 94. What are the chances that Jenna has guessed correctly?

Insert commas in the correct places in this sentence.

My older sister takes ballet tap jazz and pointe at her dance studio.

12 x 11 =

Name: _____

What is the least common multiple of 10 and 20?	13 + n = 52	What is the greatest common factor of 22 and 16?
13 + y = 20	What is the least common multiple of 3 and 4?	What is the greatest common factor of 2 and 10?
What is the greatest common factor of 6 and 12?	What is the greatest common factor of 12, 39, and 42?	m - 13 = 18
Change to a percent. $\frac{57}{100}$	Find 36% of 8.	Find 47% of 51.
Find 52% of 446.	Change to a percent. $\frac{1}{10}$	Change to a fraction. 63%

Name: _____

What is 50% of 1,108?

How many minutes is it from 8:00 a.m. to 11:35 a.m.?

What 6 coins add up to 28 cents?

(531,441) , (59,049) , (6,561) , (729) , (81) , (9) , (1) , $\frac{1}{9}$, _____ , $\frac{1}{729}$

Draw a number line with 0, $\frac{1}{2}$, and 1. Show where $\frac{7}{10}$ would go. Is $\frac{7}{10}$ closer to 0, $\frac{1}{2}$, or 1?

$\frac{1}{3}$, $\frac{2}{3}$, 1, $1\frac{1}{3}$, $1\frac{2}{3}$, 2, $2\frac{1}{3}$, $2\frac{2}{3}$, 3, $3\frac{1}{3}$, $3\frac{2}{3}$, _____, $4\frac{1}{3}$, $4\frac{2}{3}$, 5, $5\frac{1}{3}$

---

10 - (8 + 1)

The perimeter of a rectangle is 24 cm. The longer side is 8 cm. How long is the shorter side?

Round the decimal 0.355 to the nearest hundredth.

How much money is 1 quarter, 1 dime, 1 nickel, and 5 pennies?

How many centimeters in 530.6 meters?

Round 84,331 to the nearest hundred.

Name: _____

Hannah was curious about what day will be her teacher's birthday. Today is Tuesday, and it is the 86th day of school.

"My birthday will be celebrated in 37 school days. There are 5 days each week for school, and I counted 2 holidays when we will not have school. Anyone know on what day of the week will be my birthday?" asked Mrs. Miller.

How many purrs are equal to 4 meows?

4 meows = 24 chirps
96 chirps = 64 laughs
2 laughs = 1 purr

Name: _____

x	0	1	2	3	4	5	6	7	8	9	10	11	12
2												22	
3								21					
4							24						
5				15									
6		6											
7											70		
8			16										
9									72				
10						50							
11					44								
12	0												

10 x 3 =   7 x 11 =   10 x 8 =   5 x 5 =   11 x 0 =

1 x 3 =   2 x 4 =   8 x 10 =   0 x 6 =   10 x 10 =

7 x 12 =   3 x 4 =   5 x 11 =   8 x 0 =   8 x 3 =

8 x 10 =   9 x 4 =   12 x 7 =   11 x 10 =   7 x 1 =

Name: _____

Five leprechauns (Steven, Makayla, William, Benjamin, and Stephanie) are each different heights (2 feet and 6 inches, 3 feet and 8 inches, 2 feet and 1 inch, 3 feet and 3 inches, and 2 feet and 9 inches).

Figure out how tall each leprechaun is.

1. Makayla is not shorter than Steven.

2. Steven is taller than Stephanie and taller than William.

3. Stephanie is taller than William and shorter than Makayla.

4. Benjamin is the tallest leprechaun.

Steven is _____ tall.

Makayla is _____ tall.

William is _____ tall.

Benjamin is _____ tall.

Stephanie is _____ tall.

Rose wrote down a fraction on a piece of paper. If you take her fraction and multiply it by seven you get twelve. Can you guess what her fraction is?

Write an equation to represent this:

The sum of five and six is eleven.

_____

Underline the cause in the sentence.

They called the ambulance; Grandpa fell down the stairs.

Circle the addition property for 25 + 167 = 167 + 25.

   associative property

   commutative property

How many digits are in ten times ten?

_____

Circle the relative adverb.

I don't know when we will see each other again.