Complete each pattern. Write what the rule is for each pattern.

(78,732), (26,244), (8,748),

(2,916), (972), (324),

(108), _____, ____

(1,310,720), (327,680), (81,920),

(20,480), (5,120), (1,280),

(320), _____, ____

Complete each pattern. Write what the rule is.

126	112	98
84	70	
42	28	

Name: _

Fill in the missing numbers.

Only rule - The same number CAN NOT be next to each other, in ANY direction.

Dark lines surround a block. Numbers to use in a block:

A block with 1 space has to be the number 1.

A block with 2 spaces must have the numbers 1 and 2.

A block with 3 spaces must have the numbers 1, 2, and 3.

A block with 4 spaces must have the numbers 1, 2, 3, and 4.



Name: ____

Fill in the missing numbers.

	1		1
	4		4
	1	2	1
2	4	3	4
	1		1

Hint - These numbers are missing:

- 3 3 2 3
- 3 2 2



Hint - These numbers are missing:

- 2 1 1 2 3
- 2 3 4 3

1		2		1	
2		1	3		4
	4	2	4		3
	3		3		4

Hint - These numbers are missing:

2 4 3 2 4 2 1 1 3 1

Add the correct end punctuation for this sentence. School starts in two weeks

1				2	
	4	2	4		3
1	3	1		2	4

Hint - These numbers are missing:

1	4	3	2	3
1	1	4	3	3

Ms. Anderson used three dozen mudbugs in her soup. The recipe makes 20 cups of soup. Approximately how many mudbugs are in each cup of soup? (Round off the answer to the nearest whole number.) Straight pins are packed in boxes of 100 each. How many boxes can be filled with 383 pins? Write the answer as a mixed number.

Put a circle around the smallest number. Put a square around the largest number.

What is the difference between the largest and smallest numbers?

6.09

6.12

6.06

6.090

Mrs. Jones replaced one of the bulbs in the classroom with a 60-watt bulb that is supposed to last 15,000 hours. The bulb will be used 8 hours each day school is in session. In how many school days will this bulb need to be replaced again? Assume that you will want to change the bulb before a school day starts if it will go out during school.

Name:	
Estimate. 131 + 748 = A) 800 B) 700 C) 100 D) 790	 What is the place value of the bold number in 84,557,526? A) Millions B) Thousands C) Ten Thousands D) Hundreds
25.04 - 0.39 = A) 25.64 B) 25.035 C) 25.65 D) 24.65	 Paul's bedroom is exactly 16 feet by 22 feet. If Paul wants to put a carpet on the floor, how much carpeting is needed? A) 38 square feet B) 1260 square feet C) 834 square feet D) 352 square feet
33 + 30 + 2 = A) 55 B) 15 C) 65 D) None of the above	A diagram includes eleven decagons, five circles, nine quadrilaterals, twelve squares, and twelve rays. How many polygons are in the diagram? A) 14 B) 12 C) 32

Name:		
Holly walked 15 minutes to the ice cream shop. She bought a black cow root beer float. She walked 15 minutes back home. If she walks the same amount of time for 27 days, how many minutes will she walk?	Coconut sells for \$4 for 12 ounces. Jack only wants 9 ounces, though. The only scale in the store weighs in grams. How many grams of coconut should Jack buy?	Anna made everyone in her class smile. She gave everyone a chocolate chip cookie. The cookies were wrapped like a gift and tied with a big bow. Two-thirds of the bows were orange and the rest of them were yellow. If there were 15 bows in all, how many of them were yellow?

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 1 2 4 10 16 S L E E V E	Sum 7	Make a Word	Sum
1 2 6 W O		AP	
PRE		1 2 4 6 E E	
How many digits are in ten times ten?	In the number is in what place	[•] 536,926,820,064, the digit 4 e?	

word root pug can mean fight pugilism, pugilist

Name: _____ 1 lb = 16 oz Adam invented a robotic bug. The bug 338 can crawl four centimeters in eighteen seconds. How long would it take the bug 25 lb = _____ oz 115 to crawl thirty centimeters? $4 \times 8 =$ Circle the smallest number: Write a letter that has a line 426 of symmetry. 95,941,680 + 308 237.569 16,370,321,684 9,784,052 Ten kids and three adults are going to the circus. Kid's tickets are on sale for only half the price of 39 adult tickets. The total cost is \$100. How much is - 24 one kids ticket? How much is one adult ticket? Circle the digit in the hundredths place. 31 7 cm = _____ mm 375.7561 + 4 6 Circle the greatest number: How many ounces are in 4 pounds? 104,823,695,790 874,974 _____ ounces 20.315.866 35.162 What time is 17 hours after Write an equation to represent this:

3:00 a.m.?

The sum of six and twelve is eighteen.

Name:				
Jessica is getting m 1' x 1' x 4' cube made She wants her art p least a surface are Does she need to c	lessy. She has ma e out of clay block project to have at a of 10 square fee add more clay?	de a ‹s. et.	Can 987 be evenly divided by 5? Cir 987 is NOT evenly divisible by 5 987 is evenly divisible by 5	cle:
28 ÷ 7 =	Which has the la 233 ÷ 35 244	argest ar + ÷ 35	nswer? 238 ÷ 35	
7 x 12 =				
Can 243 be evenly 243 is evenly divisib 243 is NOT evenly o	divided by 11? Cird le by 11 divisible by 11	cle:	For 6,780,783,561, write the digit that is in the ten thousands place.	
Jenna wrote down a piece of paper. fraction and multipl you get seventeen. guess what her fra	a fraction on f you take her y it by eight Can you tion is? Can 531 be evenly divided by 9? Circle: 531 is NOT evenly divisible by 9 531 is evenly divisible by 9			
word root aqua can mean water aquamarine, aquatic				



Round 1245 to the nearest hundred.	675 + 8 =	I, K, M,, Q, S, U, W, Y
There are 4 groups of 6 rocks. How many rocks?	11 x (7 + 10)	How many total legs are on 7 chickens?
It was 88 degrees outside. What would the temperature be if it got 24 degrees colder?	It was 4 degrees above zero in the morning. By afternoon the temperature rose 29 degrees. How warm was it?	120 divided by 12 equals
Amanda has 20 cookies. She and her 4 friends shared them equally. How many cookies did Amanda keep?	Draw a number line with 0, $\frac{1}{2}$, and 1. Show where $\frac{4}{10}$ would go. Is $\frac{4}{10}$ closer to 0, $\frac{1}{2}$, or 1?	Circle the three numbers whose product equals 180. 11 6 8 6 5 6
8 - 7 + 10 + 1	Round 13,309 to the nearest thousand.	What 4 coins add up to 32 cents?

Name: _____



ame:	week of Detember
Mental Math	#1
$\blacksquare \text{ Start with the sum of 5 and 3.} \qquad \underline{8}$	
 Add the number of nickels in a dollar. 7 3 6 5 3 2 8 5 8 6 (Circle your answer to double check you are correct.) 	
Divide that number in half.	
Multiply the tens digit by the ones digit. The product is your new number. 4634657825	
Add two-thirds of a dozen. 6 4 1 2 4 7 1 7 7 5	
Divide that number in half. 9 0 1 4 7 2 3 6 5 1	
■ Multiply by 2.	
■ Multiply by 10. 2 2 1 3 3 8 1 2 0 6	
Add the digits in your number. The sum of that is your new number. 7 3 1 5 5 5 9 7 3 0	
Increase that number by 33. 2 3 6 2 6 3 3 6 1 7	
Add the digits in your number. The sum of that is your new number. 6 3 4 9 5 9 2 0 8 1	

 $4\frac{1}{2} + 6\frac{1}{2} + \frac{1}{2} + 5\frac{1}{2}$ $\frac{1}{2}$ + 2 $\frac{1}{4}$ + 1 $\frac{1}{2}$ + 5 $\frac{1}{2}$ $1\frac{1}{2}$ 5<u>1</u> 2 1 2 Sample: $9\frac{3}{4}$ $2\frac{1}{4}$ $\frac{1}{2}$ 4<u>1</u> 2 $6\frac{1}{2}$ 17 14 is the sum is the sum is the sum $5\frac{1}{2}$ $1\frac{1}{2}$ $5\frac{1}{2}$

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: $6\frac{1}{2}$, $2\frac{1}{4}$, or $7\frac{5}{9}$. The other three numbers have to all be DIFFERENT and must be from these: $4\frac{1}{2}$, $5\frac{1}{2}$, $\frac{1}{2}$, or



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: $3\frac{4}{9}$, $9\frac{2}{9}$, or $9\frac{2}{3}$. The other three numbers have to all be DIFFERENT and must be from these: $5\frac{5}{9}$, $6\frac{1}{3}$, $\frac{1}{3}$, or



Name: ____

The block above is the sum of the two blocks below. Fill in the missing blocks.





