Jack had 5 books in his backpack. When the backpack is empty, its mass is 1,000 g. With the books in it, the total mass is 11,900 g. What is the mass of the books?

Adam added the number of edges on a triangular prism to the number of vertices on a cube. What was the sum?

Wendy bought an art book for \$25.60. She also bought 4 poetry books. She spent a total of \$64. If each of the poetry books costs the same amount, how much did one poetry book cost?

## Name: \_

Complete each pattern. Write what the rule is. Hint: Look for alternating sequences. Every third number is the greatest common factor.

44, 17, 1, 55, 29, 1, 66, 41, 1, 77,

53, 1, 88, 65, 1, 99, 77, 11, \_\_\_\_, \_\_\_\_

55, 17, 1, 66, 29, 1, 77, 41, 1, 88,

53, 1, 99, 65, 1, 110, 77, 11, \_\_\_\_, \_\_\_\_

If
8 , 5 = 13
9,8 = 17
10 , 10 = 20
11 , 12 = 23
Then
12 , 15 = ?



Name:		-
Jessica and her friends wanted to play Cat and Mouse. Jessica was chosen to be the cat and Sara was chosen to be the mouse. The rest of the girls joined hands and made a big circle. The diameter of the circle was 12 feet. What was its circumference? Round your answer to the nearest hundredth.	Mary went to the bakery to buy cookies for the tea party. The cookies she wanted cost \$1.30 per 1/2 dozen, \$2.43 per dozen, or \$0.23 each. She wants to buy 8 cookies. How much less would it cost to buy 1/2 dozen plus 2 cookies than it would to buy one dozen cookies?	Mr. and Mrs. Rodriguez are flying to Madagascar to visit their cousins. They have to be at the airport by 7:30 a.m. It will take them 38 minutes to drive there. It is 4:24 a.m. now. How long do they have before they must leave for the airport?

Jessica rolls two dice the numbers on the What is the chance o being five?	e. She adds two dice. of this sum	30 ÷ 6 =	52 <u>-29</u>	288 <u>+254</u>	
2 x 12 =	How many dimes make \$1.60?		For 1,534,( digit that thousand	092,931, write the is in the ten s place.	
6 x 7 =	7,718 - 3,138 = _		4 x d	5 =	

Erin and Sarah are playing a number game. Erin says 1. Sarah replies that the answer is 7. Erin says 5. Sarah replies that the answer is 31. Erin says 6. Sarah replies that the answer is 37. Erin says 7. Sarah is thinking. What number should Sarah reply with?			11 x 12 = . 88 ÷ 11 =			
1 lb = 16 oz 24 lb = oz 11 x 4 =	Write this as a number in standard form. Use a comma in your number. one hundred three thousand five hundred fifteen			n. dred	2 2	2 7
Can 675 be evenly divided by 3? Circle: 675 is NOT evenly divisible by 3 675 is evenly divisible by 3		8÷2=		8 7	51 39	
Can 380 be evenly divided by 10? Circle: 380 is evenly divisible by 10 380 is NOT evenly divisible by 10		Jessica is g to guess he some. Her The units d digit. One digit in The tens di The three Are you ge	giving out o er favorite favorite n ligit is 3 mo n her numl igit is 1 mor digits add u oing to get	candy, k number umber re than oer is th e than up to six	out you n er if you v has three the hun the units kteen. ?	eed vant e digits. dreds digit.

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











## Name: \_

Canada, Britain, Italy, and Switzerland competed in a two-run bobsled competition. The times on the first run were one minute and 41.88 seconds, one minute and 40.32 seconds, one minute and 40.73 seconds, and one minute and 41.32 seconds. The times on the second run were one minute and 38.39 seconds, one minute and 39.09 seconds, one minute and 39.50 seconds, and one minute and 38.85 seconds. Figure out the time needed for each run and the combined run time for each team. 1. The bobsled team from Switzerland clocked a combined time of three minutes and 20.27 seconds. 2. On the first run, the team from Britain was one second behind the winners of the first 3. The team from Canada needed more than one minute and 38.88 seconds to finish the second race. 4. The team from Italy finished the first race in less than one minute and 40.92 seconds. 5. The team that finished the first run in one minute and 41.32 seconds was not the team that finished the second run in either one minute and 38.85 seconds or one minute and 39.50 seconds. 6. On the second run, the team from Canada was eighty-two hundredths of a second faster than their first run. Canada finished the first run in \_\_\_\_\_\_ and the second in \_\_\_\_\_. Britain finished the first run in \_\_\_\_\_\_ and the second in \_\_\_\_\_ Italy finished the first run in \_\_\_\_\_\_ and the second in \_\_\_\_\_\_. Switzerland finished the first run in \_\_\_\_\_\_ and the second in \_\_\_\_\_. Circle the greatest number: 76,125,094 1,697,455 887 + 682 = \_\_\_\_\_ 380.382 304.267.891.104 Fill in the missing operations to complete this equation: 3 x 10 = 51 \_\_\_\_ 17 \_\_\_\_ 9 = 12

word root **necro** can mean **death** 

necromancy

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

Add one set of parenthesis to each equation so that the equation is true.

$$(12 - 6) + 1 = 7$$
 $10 \times (8 \div 2) = 40$  $8 + 5 \times 10 = 130$  $8 + 5 \times 10 = 58$  $8 + 4 \times 7 + 3 = 48$  $8 + 4 \times 7 + 3 = 87$  $11 \times 3 + 3 \div 3 = 34$  $1 \times 9 + 11 - 4 = 16$  $8 + 4 + 10 \times 1 = 22$  $8 \div 8 + 1 \times 1 = 2$  $11 - 4 + 6 \times 8 = 55$  $4 \times 3 + 12 - 9 = 51$  $12 \times 6 + 7 \div 7 = 73$  $10 + 4 - 1 + 1 = 14$  $12 - 3 + 12 \times 3 = 45$  $11 - 2 + 4 + 12 = 25$  $12 - 4 \times 2 + 7 = 11$  $6 + 9 \div 3 \times 3 = 15$ 





Eric counted the TV dinners in the display case. Three-eighths of the dinners were fried chicken. If 12 of the dinners are fried chicken, how many TV dinners are in the display case?	Anne made a display about Columbus' three ships. She used three sheets of poster board, each 24 inches x 18.3 inches. What was the total area of the poster board used for the display?	Nathan found a T-shirt with a map of Columbus' voyages on the front and a picture of Columbus on the back. He wanted to buy it to wear on Columbus Day. The T-shirt cost \$10.95 plus seven percent sales tax. Nathan gave the clerk a twenty-dollar bill. How much change did he receive?
Kevin and Sarah are going to the pet store to buy a pet rabbit. They can buy a black rabbit, a white rabbit, or a white rabbit with black spots. The rabbits have lopped ears or straight ears. Make a tree diagram to show the possible choices.	The expert recommended that Mr. Martin have at least 2,500 square feet of pasture for each mule in his herd. Mr. Martin's pasture is 800 feet x 1,100 feet. What is the maximum number of mules the expert would recommend for Mr. Martin's pasture?	Mr. Bloop calculated that he needed to increase his savings by 0.027 every month, just to be on the safe side. What percent increase would that be equal to?

## Name:

Example: Example: 5.2 + 22.5 + 8.7 + 9.3 = 45.7 7.2 + 13.5 + 9.3 + 6.4 = 36.4 8.7 9.3 9.3 Sample: 5.2 22.5 7.2 13.5 45.7 47.7 36.4 is the sum is the sum is the sum 9.3 8.7 6.4

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: 24.2, 13.5, or 22.5. The other three numbers have to all be DIFFERENT and must be from these: 5.2, 2.6, 8.7, 7.2, 1.6, 6.4, or 9.3.



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

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: 23.3, 24.5, or 19.8. The other three numbers have to all be DIFFERENT and must be from these: 0.4, 2.8, 9.3, 5.4, 3.5, or 1.8.





