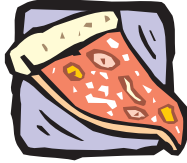




Warm-Up 10

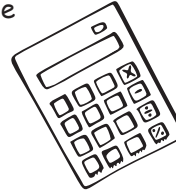
1. _____ %



On Monday, Mark bought a pizza and ate one-half of it. On Tuesday, he ate one-third of the remaining pizza. On Wednesday, Mark ate one-fourth of what he had left. What percent of the original pizza was left after he ate on Wednesday?

2. _____ %

Henry programmed a calculator to randomly display a digit from 0 through 9. The results of the first 50 displays are shown in the table. What is the positive difference between the theoretical probability and the experimental probability for getting a 9 if each digit has an equal chance of being displayed? Express your answer as a percent.



Digit	Frequency
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	
Total	50

3. _____

A two-meter tall woman is standing w meters from a lamp post at night. The lamp post has a light at the top, which is the only source of light in the area. The lamp post is 10 meters high, and the woman's shadow is 3 meters long. What is the value of w ?

4. _____ degrees

In triangle ABC , the measure of angle A is 14 degrees less than five times the measure of angle B , and the measure of angle C is 33 degrees more than the measure of angle B . What is the measure, in degrees, of angle C ?

5. _____ products

How many unique products can be obtained by multiplying two distinct members from the set $\{-8, -6, -4, -2, 0, 2, 4, 6, 8\}$?

6. _____

What is the units digit of the result of $222^{777} \times 777^{222}$?

7. _____
years
old

Jack has three children and the sum of their ages is equal to his age. In 20 years, the sum of the three children's ages will be $\frac{5}{3}$ of Jack's age at that time. How old is Jack now?

8. _____ tiles

Ramon determined that he can cover the floor of a square room with identical square tiles without having to cut or overlap any tiles. First, he put one row of tile along each edge of the floor. In doing so, he used exactly 56 tiles. In total, how many tiles are required to cover the entire floor?

9. (_____ , _____)

What are the coordinates of the point on the x -axis that is equidistant from $(3, 7)$ and $(-1, 3)$? Express your answer as an ordered pair (x, y) .

10. \$ _____

An item selling for \$100.00 on Monday is marked down 10% on Tuesday, up 10% on Wednesday, and down 10% on Thursday. What was the price of the item after Thursday's discount?