

TSI Review – Probability & Percentages

1. Find the percentage of **each** Color of Marbles:

Marble	Qty	Percent
Purple	3	
Green	7	
Blue	4	
Orange	8	

2. You have 1,000 Legos grouped into the following colors by the percentages given in the table. How many **MORE Blue** Legos are there than *Red* Legos:

Color	Percent
Yellow	50
Blue	30
Green	15
Red	5

Answer: _____

3. If the side of a square is cut in half, by what percentage is the area of the square reduced?

Answer: _____

4. If a stereo system is reduced by 18%, write an expression for the sale price of the stereo.

Expression: _____

5. When you are shopping, you decide to purchase a new pair of jeans. The store is having a sale for 25% off. In addition, you have a coupon for an additional 3% off. Create an expression for the amount you will pay?

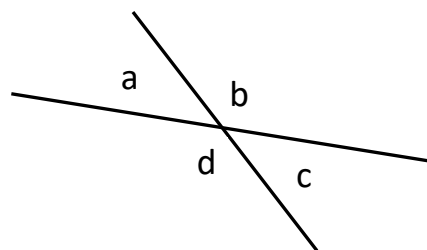
Expression: _____

6. Find the **median** of the first 6 even integers. Find the median of the first 5 even integers.

First 6 Even: _____

First 5 Even: _____

7. What is the **mean** of a, b, c, d ?



Answer: _____

8. 40% of the mystery bags at a school carnival have a prize and 60% do not contain a prize. If you draw 2 bags at random, what is the probability you will get no prizes? If you draw 2 bags at random, what is the probability that you will get 2 prizes:

No Prizes: _____

With Prizes: _____