Name_____

1. Curtis bought a jar of 500 marbles. 75 of the marbles were blue, 200 marbles were green, 100 marbles were red, and the rest were yellow.   What ratio below shows probability of randomly selecting a yellow marble? *(Show how you found the ratio)*

A   1:4   C   1:2

B   2:5   D   3:4

2. In the expression below, what operation would be performed first? *(Prove and show the first operation)*

   $96 \div (2^3 + 4) - 4 + 25$

A   division   C   multiplication

B   addition   D   subtraction

3. Pat bought sugar at the store. The bag contained 9 $\frac{1}{2}$ cups of sugar. She wants to make brownies for a party. If the recipe for brownies uses 2 $\frac{3}{4}$ cups of sugar for each batch of brownies, about how many batches of brownies will she be able to make for the party? *(Show or draw a picture of how you found the number of batches)*

A   6 batches   C   26 batches

B   3 batches   D   12 batches

4. Circle all of the following that are true? *(Show how they are true or false)*

A   0.056 > 20%

B $\frac{5}{9}$ < 60%

C   2:5 > 30%

D   58% < 0.8

5. Clark ran 3$\frac{1}{2}$ miles on Monday and 1 $\frac{3}{4}$ miles on Wednesday. If he runs the same number of miles each weeks for 3 weeks in a row, how many miles will he have run? *(Show how you found the total for 3 weeks)*

A   5 $\frac{1}{4}$ miles

B   15 $\frac{3}{4}$ miles

C   10 $\frac{1}{2}$ miles

D   36 $\frac{3}{4}$ miles

6. Bryson wanted to outline the stage for the talent show. Each side of the square stage was 14 feet long. How long will the outline need to be to go around the stage? *(Draw the figure; write & use the formula to solve)*