**Directions:** Answer each question. Be sure to show your work. No work = no credit! (as in you will get no credit for doing this homework if only answers are circled and no work is shown).

1. Which of the following numbers is 1/10 of the expanded form number written below?

(4 x 1,000) + (3 x 100) + (2 x 10) + (5 x 1) + (8 x$\frac{1}{ 10}$ ) + (7 x $\frac{1}{100}$ )

1. 4,325.87
2. 432.587
3. 43.2587
4. 432,587
5. John uses 4 $\frac{2}{3}$ cups of sugar to make two dozen cupcakes of his recipe. If he plans to make 6 dozen cupcakes, how much sugar will John need?
6. The area of Ms. Camporese’s living room is 450 square feet. If her furniture covers 4/9 of her living room, how many square feet does the furniture cover?
7. 50 square feet
8. 200 square feet
9. 250 square feet
10. 400 square feet
11. Max finds the product of $\frac{2}{3}$ x 9.

 Which statements are true? Circle *all* that apply.

1. The product is less than $\frac{2}{3}$ because $\frac{2}{3}$ > 1.
2. The product is less than 9 because $\frac{2}{3}$ < 1.
3. The product is greater than $\frac{2}{3}$ because $\frac{2}{3}$ < 1.
4. The product is greater than 9 because $\frac{2}{3}$ > 1.
5. A roll of wrapping paper has 10 ½ feet of paper on it. I want to wrap three presents that will require 3 ¾ feet of wrapping paper each. Will I have enough wrapping paper? If yes, how much extra wrapping paper will there be? If not, how much more wrapping paper will I need?
6. Sam plans on running 5 miles over the 3-day holiday weekend. On Saturday Sam ran 2 $\frac{3}{4}$ miles. On Sunday he ran 1/3 as much as he ran on Saturday. How much did he run on Sunday? How much did he run on Monday if he met his 5 mile goal?