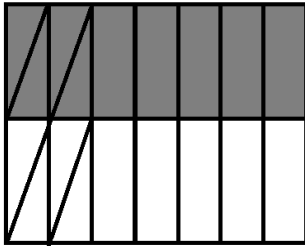**6th Review #29** – WORK MUST BE SHOWN
FOR EACH PROBLEM – NO CALCULATORS

Name_____

1. What would be the sixth term in the sequence below: *(show the common ratio of the pattern)*

    1, 3, 9, 27...

A   30

B   81

C   243

D   54

2. What is the multiplication problem modeled below?

A $\frac{1}{2}$ x $\frac{1}{2}$

B $\frac{1}{2}$ x $\frac{2}{14}$

C $\frac{1}{2}$ x $\frac{2}{7}$

D $\frac{4}{2}$ x $\frac{2}{7}$

3. Circle all of the following that are true? *(Show how you compared the numbers)*

A |-8| > 8

B   -22 < |23|

C   18 < |-34|

D |15| = |-15|

4. Peter bought 3 packs of pencils. Each pack had 10 pencils. If he threw away $\frac{2}{5}$ of the pencils because they were broken, how many did he have **left**? (Draw a picture to show how many he had left)

A   12 pencils

B   18 pencils

C   8 pencils

D   6 pencils

5. Silas bought a bag of 30 muffins. There were 15 blueberry and 9 banana muffins in the bag. The rest of the muffins were cranberry. What fraction and percent of the muffins was cranberry? *(Show how you found the fraction & percent)*

A $\frac{1}{6}$ or 6%

B $\frac{1}{5}$ or 20%

C $\frac{4}{5}$ or 80%

D $\frac{1}{4}$ or 25%

6. **Circle all the answers below that are true?** *(Show how you compared them)*

A   0.098 > 65%

B   4% < 0.4

C $\frac{1}{20}$ = 20%

D $\frac{20}{25}$ < 0.9

7. If the temperature at 5:00 pm was 5 degrees Fahrenheit, and the temperature dropped to -6 degrees at 11:00 pm, how many degrees did the temperature drop?

8. Model the following expression with counter chips (+, -); then solve.

-9 + 2

9.

Sara, Tom, Ray, and Carole each ordered one small pizza.

- Sara ate $\frac{3}{8}$ of her pizza.
- Tom ate $\frac{1}{4}$ of his pizza.
- Ray ate $\frac{3}{4}$ of his pizza.
- Carole ate $\frac{1}{2}$ of her pizza.

Who ate the *most* pizza?

A. Sara   B. Tom

C. Ray   D. Carole

10. Write the expression that is modeled below;
then solve. *(Show how you found the expression)*