1. Which of the following shows 35% written as a fraction and a decimal? *(Show how you found the fraction & decimal)*

A $\frac{35}{100}$,   0.035

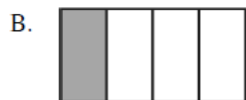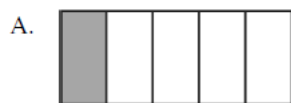B $\frac{6}{25}$,   0.35

C $\frac{7}{20}$,   0.35

D $\frac{7}{20}$,   0.035

2. Order from greatest to least (SHOW WORK!):

75% $^5/_8$ 0.089   0.5

3.

Ed saves 25% of his allowance. Which picture is 25% shaded?

A.

B.

C.

D.

4. The ratio of boys to girls in Ms. Wallace's class is 13:3. What would be the ratio of students in his class to the girls in his class? *(Show work!)*

A   16:13

B   16:3

C   3:16

D   16:13

5. Which of the following is true? *(Show how you compared the numbers)*

A   14% < $\frac{1}{4}$ < 0.04

B   0.08 < $\frac{1}{8}$ < 8%

C $\frac{3}{9}$ < 39% < 0.93

D   60% < 0.07 < $\frac{1}{4}$

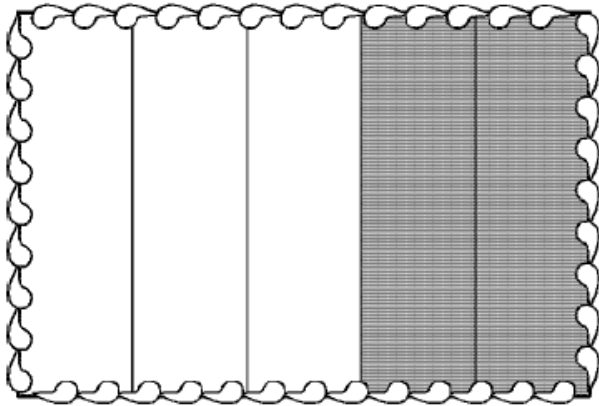## 6. Write 0.135 as a fraction and a percentage. (Make sure you reduce your fraction!)

SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!

7.

What is the amount of cake eaten by Rick as a fraction and as a decimal?

Cake Eaten

Andy   ▥ Rick

A. $\frac{3}{5} = 0.06$

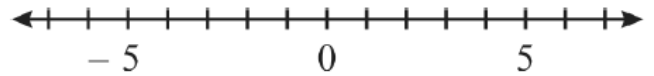B. $\frac{2}{5} = 0.04$

C. $\frac{2}{5} = 0.4$

D. $\frac{1}{5} = 0.2$

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

-4 + 7

9.

What is the distance between −2 and 2 on the number line shown below?

$$\xleftarrow{\hspace{0.3cm}}\!+\!+\!+\!+\!+\!+\!+\!+\!+\!+\!+\!+\!+\!+\!+\!\xrightarrow{\hspace{0.3cm}}$$

− 5   0   5

A.   0 units

B.   3 units

C.   4 units

D.   5 units

10. Model the following expression with a number line; then solve.

-7 + 4