

**6th Review #39 – WORK MUST BE SHOWN FOR EACH PROBLEM – NO CALCULATORS**

1. William served  $4 \frac{1}{5}$  years in the army. Jake served  $7 \frac{7}{15}$  years in the army. How much longer did Jake serve in the army than William? (*Show work*)

- A**  $3 \frac{4}{15}$  years
- B**  $3 \frac{3}{5}$  years
- C**  $2 \frac{3}{4}$  years
- D**  $2 \frac{1}{3}$  years

2. Order the following from least to greatest: (*Show how compared the numbers*)

$4 \frac{4}{5}$        $4 \frac{5}{9}$        $4 \frac{2}{3}$

3. Greta had a box full of bows. 7 were green, 8 were yellow, and 10 were red. What percent of the box was made up of red bows? (*Show fraction*)

- A** 10%
- B** 20%
- C** 40%
- D** 50%

Name \_\_\_\_\_

4. Circle all of the following that would have an absolute value of 6? (*Show how they have an absolute value of 6*)

$|\frac{1}{6}|$                        $|0.6|$                        $|-\frac{12}{2}|$   
  
 $|6.0|$      $|-6|$

5. Which of the following is the same as 0.4? (*Show how the values are the same*)

- A** 4%
- B** 100%
- C** 20%
- D** 40%

6. Circle all of the following that would have an absolute value of 5.

$|-0.5|$                        $|5|$                        $|\frac{-40}{8}|$   
  
 $|-5|$                        $-|5|$                        $|\frac{-1}{5}|$

**Adv. Review #39 (7<sup>th</sup> grade SOLs)**

**SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!**

**7. The highest recorded temperature in California is 134 degrees Fahrenheit. The lowest is -45 degrees Fahrenheit. What is the difference from the high temperature to the low temperature?**

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

$$-8 + -7$$

**9.**

What is the value of the expression below?

$$|7| + |-3|$$

- A. -10    B. -4    C. 4    D. 10

**10.**

Which of the following number lines correctly models the addition of  $(-3) + 4$ ?

