

**6th Review #50 – WORK MUST BE SHOWN**  
**FOR EACH PROBLEM – NO CALCULATORS**

1. Which of the following is false? *(Show how you solved the problem)*

- A  $-28 < 0$
- B  $-9 > -18$
- C  $12 > -32$
- D  $-5 < -10$

2. Look at the table below. How much would it cost to buy **3** t-shirts at Sears? at Wal-Mart? How much more would it cost to buy 3 shirts at Sears than at Walmart? *(Show how you found how much more you would pay for 3 shirts)*

STORE	Cost per t-shirt
Wal-Mart	\$6.99
Sears	\$7.49

- A \$0.50
- B \$14.48
- C \$1.50
- D \$7.49

3. Joshua collects gems. He has 25 rubies, 80 emeralds, and 20 sapphires. What is the ratio of rubies to the total gems? *(Show LABELS and how you found the ratio)*

- A  $\frac{1}{25}$
- B  $\frac{1}{5}$
- C  $\frac{1}{4}$
- D  $\frac{4}{5}$

Name \_\_\_\_\_

4. Brenna had  $\frac{6}{9}$  of a cookie cake left. She spilled milk on  $\frac{1}{4}$  of the leftover cookie cake. How much of the whole cake had been ruined with milk? *(Draw an array or show how you found the amount)*

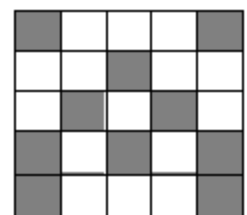
- A  $\frac{2}{3}$
- B  $\frac{1}{6}$
- C 1
- D  $\frac{3}{8}$

5. Jeffry is growing a strawberry plant. On Tuesday the plant was  $5\frac{1}{2}$  inches tall. By Friday, the plant had grown to  $8\frac{9}{12}$  inches tall. How much did the plant grow between Tuesday and Friday?

- A  $3\frac{1}{4}$  inches
- B  $3\frac{5}{12}$  inches
- C  $2\frac{1}{2}$  inches
- D  $2\frac{7}{12}$  inches

6. What percent represents the amount shaded in the figure below?

- A 10%
- B 25%
- C 40%
- D 75%



**Adv. Review #50 (7<sup>th</sup> grade SOLs)**

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

**7. The highest recorded temperature in Florida is 109 degrees Fahrenheit. The lowest is -2 degrees Fahrenheit. What is the difference from the low temperature to the high temperature?**

**8. The number 100 is a perfect square number. Draw a square in the space provided that proved that 100 is a perfect square.**

**9. Using problem #8, solve the following:**

$$\sqrt{100} = \underline{\hspace{2cm}}$$

**10. If a submarine is located at 252 feet below sea level, and then it rises 12 feet, what is its new location below sea level?**