

6th Review #45 – WORK MUST BE SHOWN FOR EACH PROBLEM – NO CALCULATORS

1. Which of the ordered pairs below would be in Quadrant IV? (*Prove answer*)

- A (0, -2)
- B (-5, -2)
- C (4, -3)
- D (-1, 4)

2. Each $\frac{1}{2}$ cup of milk has 4 grams of protein. Exactly how many grams of protein are in $3\frac{1}{2}$ cups of milk?

- A 7 grams
- B 8 grams
- C 14 grams
- D 28 grams

3. Which number is equivalent to the ratio $\frac{8}{5}$?

- A 0.625
- B 6.25%
- C 0.16
- D 160%

Name _____

4. Write 1.1 as a fraction and a percent.

5. What is the product of $1\frac{1}{3}$ and $\frac{7}{10}$ in simplest form?

6. Frank collects cars. Frank has 14 black model cars, 15 red model cars, and 21 blue model cars. What is the ratio of total cars to red cars? (In simplest form).

Adv. Review #45 (7th grade SOLs)

SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!

1. The highest recorded temperature in Hawaii is 100 degrees Fahrenheit. The lowest is 15 degrees Fahrenheit. What is the difference from the low temperature to the high temperature?

8. The number 36 is a perfect square number. Draw a square in the space provided that proved that 36 is a perfect square.

9. Using problem #8, solve the following:

$$\sqrt{36} = \underline{\hspace{2cm}}$$

10.

Which of the following is true?

- A** $10^4 = 10 \times 10 \times 10$
- B** $10^2 = 10$
- C** $10^5 = 10,000$
- C** $10^0 = 1$