

6th Review #51 – WORK MUST BE SHOWN FOR EACH PROBLEM – NO CALCULATORS

Directions: Circle the mistake in each of the expressions below. Then correct each problem & SOLVE.

1. $4^2 + (3 \cdot 8 + 4) - 10$
 $4^2 + (24 + 4) - 10$
 $4^2 + 28 - 10$
 $8 + 28 - 10$
 $36 - 10$
 26

2. $(5 + 6 \cdot 3) - 12 \div 3$
 $(11 \cdot 3) - 12 \div 3$
 $33 - 12 \div 3$
 $33 - 4$
 29

3. $90 \div 2 + 6 \cdot 3 - 2$
 $90 \div 2 + 6 \cdot 1$
 $45 + 6$
 51

Name: _____

4. $(8 + 4)^2 - 12 \cdot 2$
 $8 + 4^2 - 12 \cdot 2$
 $8 + 16 - 12 \cdot 2$
 $8 + 16 - 24$
 $24 - 24$
 0

5. Draw a model to find $2 \cdot \frac{1}{3}$

$2 \cdot \frac{1}{3} = \underline{\hspace{2cm}}$

6. Draw a model to find $3 \cdot \frac{3}{4}$

$3 \cdot \frac{3}{4} = \underline{\hspace{2cm}}$

Adv. Review #51 (7th grade SOLs)

SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!

7. The highest recorded temperature in South Carolina is 113 degrees Fahrenheit. The lowest is -22 degrees Fahrenheit. What is the difference from the low temperature to the high temperature?

8. The number 9 is a perfect square number. Draw a square in the space provided that proved that 9 is a perfect square.

9. Using problem #8, solve the following:

$$\sqrt{9} = \underline{\hspace{2cm}}$$

10. Which of the following is true?

A $10^4 = 10 \times 10 \times 10$

B $10^0 = 1$

C $10^5 = 10,000$

C $10^2 = 100$