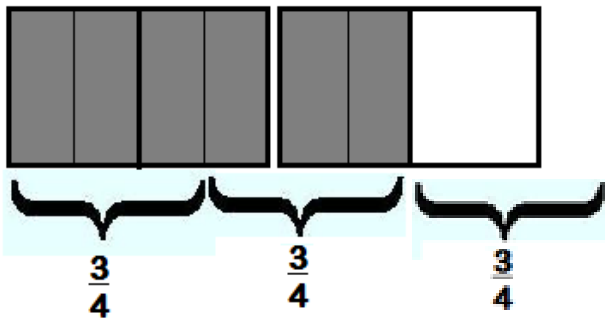


6th Review #48 – WORK MUST BE SHOWN FOR EACH PROBLEM – NO CALCULATORS

1. Which of the following expressions is represented by the model below? (*Show how you found your answer*)



- A $2 \div \frac{3}{4}$
- B $1\frac{1}{2} \div \frac{1}{2}$
- C $1\frac{1}{2} \div \frac{3}{4}$
- D $2 \div \frac{1}{2}$

2. Use shortcut to find the quotient: $\frac{3}{4} \div \frac{5}{6}$

- 3. Find the product: $3.19 \bullet 8.7$
- A 27.753
- B 4.785
- C 2.533
- D 25.433

Name _____

4. Write the following in expanded and standard form:

$5^3 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

$4^4 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

5. Janie’s punch recipe calls for $2\frac{3}{4}$ cups of orange juice for each batch of punch. How many cups of orange juice will she use if she makes three batches of punch? (*Show how you found solution*)

- A $6\frac{1}{4}$ cups
- B $6\frac{1}{2}$ cups
- C $7\frac{1}{2}$ cups
- D $8\frac{1}{4}$ cups

6. Jillian bought 40 cakes for the walk. 17 were chocolate, 13 were butter cream, and the rest were red velvet cake. What percent represents the ratio of red velvet cakes to the total cakes? (*Show how you found the percent*)

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

D 25%

Adv. Review #48 (7th grade SOLs)
SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!

1. Which of the following is false?

- A** $10^5 = 10 \times 10 \times 10 \times 10 \times 10 \times 10$
- B** $10^4 = 10 \times 10 \times 10 \times 10$
- C** $10^3 = 1,000$
- C** $10^1 = 10$

8. The number 49 is a perfect square number. Draw a square in the space provided that proved that 49 is a perfect square.

3. Using problem #8, solve the following:

$$\sqrt{49} = \underline{\hspace{2cm}}$$

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

$$-2 + -10$$