

6th Review #83 – MUST SHOW WORK FOR EACH PROBLEM - NO Calculators (except on #6)

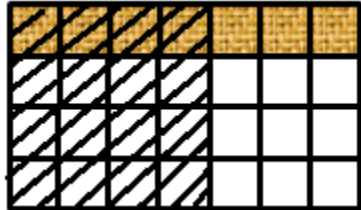
1. Which of the following shows the expression being modeled? *(Show how you found the equation)*

A $\frac{4}{7} \bullet \frac{1}{2}$

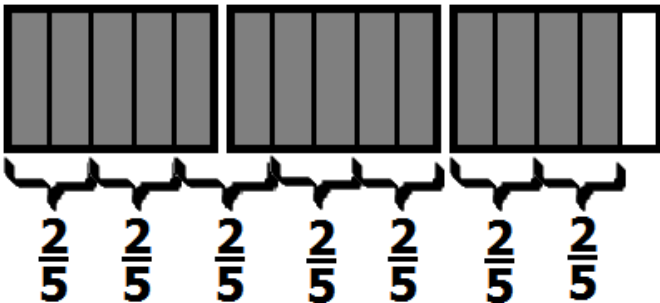
B $\frac{1}{4} \bullet \frac{4}{7}$

C $\frac{1}{4} \bullet \frac{3}{4}$

D $\frac{3}{4} \bullet \frac{4}{7}$



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



A $2 \div 5$

B $3 \div \frac{2}{5}$

C $7 \div \frac{2}{5}$

D $2\frac{4}{5} \div \frac{2}{5}$

3. Find the product: $3\frac{4}{5}$ and $1\frac{1}{4}$
(Show how you found the product)

Name _____

4. Circle all that are less than $1\frac{1}{3}$? *(Show how you compared place values)*

A 1.197

B 1.4

C 1.29

D 1.38

5. Donna and Darcy collected newspapers for recycling each week. This week Donna collected $5\frac{1}{2}$ pounds and Darcy collected $2\frac{1}{4}$ pounds of newspaper. If they collect the same amount each week, what would be the total amount they collect for 4 weeks? *(Show how you found the total for those weeks)*

F 31 pounds

G 8 pounds

H $7\frac{3}{4}$ pounds

J $3\frac{1}{4}$ pounds

6. Mr. Allen is putting a wall around his circular pool. The pool has a radius of 12 ft. How many feet will the wall be to enclose the pool? *(Draw shape; write the formula; use formula to solve)*

Adv. Review #83 (7th grade SOLs)

SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!

7. Solve.

$$(-2)^3$$

8. Solve.

$$\frac{-19 + \cdot 10^3}{(-3)^2}$$

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

$$-6 + 9$$

10. If a square room has an area of 256 square meters, what is the side length of the room?