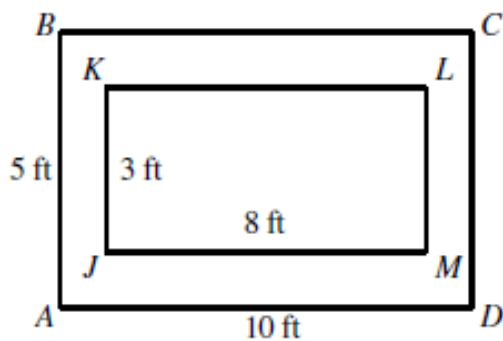


Name: \_\_\_\_\_

Proportion Review Homework

1. The male to female ratio in a particular country is 52 to 48. Write this ratio as a fraction in reduced form.

2. MULTIPLE CHOICE: Find the ratio of the perimeter of rectangle  $BCDA$  to the perimeter of rectangle  $KLMJ$ .



[A]  $\frac{11}{15}$

[B]  $\frac{15}{11}$

[C]  $\frac{5}{3}$

[D]  $\frac{5}{4}$

Solve the following proportions! You must show all work in order to receive credit! Simplify all answers (you may use decimals).

3.  $\frac{20}{45} = \frac{34}{b}$

4.  $\frac{42}{56} = \frac{n}{48}$

$$5. \frac{x+1}{5} = \frac{5}{11}$$

$$6. \frac{10}{3} = \frac{8}{x-4}$$

$$7. \frac{x+8}{8} = \frac{6}{7}$$

$$8. \frac{y+5}{5} = \frac{6}{y-2}$$

$$9. \frac{m+3}{4} = \frac{11}{m-4}$$

$$10. \frac{2}{p+4} = \frac{p+5}{3}$$

$$11. \frac{n+4}{3} = \frac{-3}{n-2}$$

**Solve the following proportions! You must show all work in order to receive credit! These will be checked!! Simplify all answers (you may use decimals).**

12. A bus travels 80 miles on 4 gallons of gas. Write and solve a proportion to determine the number of gallons needed to travel 300 miles.

13. On a blueprint, the scale indicates that 6 centimeters represent 15 feet. What is the length of the room that is 14.4 centimeters long and 5 centimeters wide on a blueprint?