

## Solving Proportions Assignment

Solve each proportion by using the Multiplication property of Equality.

1.  $\frac{3}{2} = \frac{m}{8}$

$m = \underline{\hspace{2cm}}$

2.  $\frac{2}{9} = \frac{k}{18}$

$k = \underline{\hspace{2cm}}$

3.  $\frac{y}{3} = \frac{5}{4}$

$y = \underline{\hspace{2cm}}$

4.  $\frac{11}{12} = \frac{x}{15}$

$x = \underline{\hspace{2cm}}$

Solve each proportion by using the Cross Product property.

1.  $\frac{5}{z} = \frac{-3}{5}$

$z = \underline{\hspace{2cm}}$

2.  $\frac{p}{12} = \frac{3}{4}$

$p = \underline{\hspace{2cm}}$

3.  $\frac{11}{5} = \frac{s}{-6}$

$s = \underline{\hspace{2cm}}$

4.  $\frac{3}{a} = \frac{2}{3}$

$a = \underline{\hspace{2cm}}$

Solve each proportion given below.

1.  $\frac{w+4}{-6} = \frac{8}{2}$

$w = \underline{\hspace{2cm}}$

2.  $\frac{3}{s+1} = \frac{4}{s+4}$

$s = \underline{\hspace{2cm}}$

3.  $\frac{3}{y+7} = \frac{5}{-8}$

$y = \underline{\hspace{2cm}}$

4.  $\frac{2x+1}{x+1} = \frac{5}{4}$

$x = \underline{\hspace{2cm}}$

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

## Solving Proportions Assignment

The windows on a building are proportional to the size of the building. The height of each window is 18 inches, and the width is 11 inches. If the height of the building is 126 feet, what is the width of the building?

Width = \_\_\_\_\_

Eric is planning to bake approximately 384 cookies. If 3 pounds of cookie dough make 96 cookies, how many pounds of cookie dough should he make?

Cookie dough = \_\_\_\_\_

# Solving Proportions Assignment

Solve each proportion by using the Multiplication property of Equality.

1.  $\frac{3}{2} = \frac{m}{8}$

$m = \underline{\underline{12}}$

2.  $\frac{2}{9} = \frac{k}{18}$

$k = \underline{\underline{4}}$

3.  $\frac{y}{3} = \frac{5}{4}$

$y = \underline{\underline{\frac{15}{4}}}$

4.  $\frac{11}{12} = \frac{x}{15}$

$x = \underline{\underline{\frac{55}{4}}}$

Solve each proportion by using the Cross Product property.

1.  $\frac{5}{z} = \frac{-3}{5}$

$z = \underline{\underline{\frac{-25}{3}}}$

2.  $\frac{p}{12} = \frac{3}{4}$

$p = \underline{\underline{9}}$

3.  $\frac{11}{5} = \frac{s}{-6}$

$s = \underline{\underline{\frac{-66}{5}}}$

4.  $\frac{3}{a} = \frac{2}{3}$

$a = \underline{\underline{\frac{9}{2}}}$

Solve each proportion given below.

1.  $\frac{w+4}{-6} = \frac{8}{2}$

$w = \underline{\underline{-28}}$

2.  $\frac{3}{s+1} = \frac{4}{s+4}$

$s = \underline{\underline{9}}$

3.  $\frac{3}{y+7} = \frac{5}{-8}$

$y = \underline{\underline{\frac{-59}{5}}}$

4.  $\frac{2x+1}{x+1} = \frac{5}{4}$

$x = \underline{\underline{2}}$

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

## Solving Proportions Assignment

The windows on a building are proportional to the size of the building. The height of each window is 18 inches, and the width is 11 inches. If the height of the building is 126 feet, what is the width of the building?

Width = 77 inches

Eric is planning to bake approximately 384 cookies. If 3 pounds of cookie dough make 96 cookies, how many pounds of cookie dough should he make?

Cookie dough = 12 pounds