

Solving Proportions



1) Write a proportion to find how many points a student needs to score on the test to get the given score.

a) test worth 80 points; test score of 80%

b) test worth 150 points; test score of 96%



Solve the missing variable in the proportion mentally.

2)
$$\frac{5}{8} = \frac{20}{d}$$
 3) $\frac{7}{z} = \frac{14}{10}$ 4) $\frac{21}{24} = \frac{x}{8}$



$\frac{3}{5} = \frac{6}{10}$

Cross Products

<u>Using Cross Products to Solve Proportions</u>

1)
$$\frac{w}{6} = \frac{6}{9}$$

Using Cross Products to Solve Proportions

2) $\frac{12}{10} = \frac{a}{15}$

Using Cross Products to Solve Proportions

3)
$$\frac{9}{y} = \frac{3}{17}$$

Using Cross Products to Solve Proportions

4)
$$\frac{x}{8} = \frac{7}{10}$$



5) $\frac{x}{25} = \frac{6}{10}$



$6) \quad \frac{2}{9} = \frac{3}{d}$



7) $\frac{b}{10} = \frac{3}{4}$



8) $\frac{c}{15} = \frac{5}{6}$