

What are Proportions? Proportions are EQUAL RATIOS

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

Cross Products

How can we tell if two ratios are proportional? $\frac{4}{6} = \frac{6}{9}$

Using Cross Products to Solve Proportions

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

Using Cross Products to Solve Proportions

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

Using Cross Products to Solve Proportions

Solve for the missing variable.

3)
$$\frac{b}{8} = \frac{15}{20}$$
 4) $\frac{10}{a} = \frac{15}{18}$



- List 3 properties of similar shapes:
 - Same shape, different size
 Corresponding angles are congruent
 Corresponding sides are proportional







PRACTICE



Find the missing side.



