

# Proportions

A statement that the 2 ratios are equivalent.

$\frac{1}{3} = \frac{2}{6}$  yes are equivalent ratios

so  
 $\frac{1}{3} = \frac{2}{6}$  is a proportion.

$\frac{2}{5} = \frac{?}{20}$      $\frac{2}{5} \times \frac{4}{4} = \frac{8}{20}$

But can't use a magic 1

Use Unit Rate

$\frac{\text{mph}}{\text{miles}} \quad \frac{36 \text{ mi}}{3 \text{ hr}} \quad \frac{60 \text{ mi}}{1 \text{ hr}}$

$\frac{36 \div 3}{3 \div 3} \quad \frac{12}{1} \times \frac{5}{5} \quad \frac{60}{12.5} \quad \frac{60}{5}$