Ex: A family has a monthly mortgage payment of $500, which is 16% of their monthly income. What is their monthly income?

Restate: $500 is 16% of total monthly income.

Ex: Course grade: \[
\frac{84 + 92 + 87 + x}{4} = 90
\]

\[
\Rightarrow \quad \frac{263 + x}{4} = 90
\]

\[
\Rightarrow \quad x = 97
\]

\[
\frac{\text{Object #1}}{\text{Shadow #1}} = \frac{\text{Object #2}}{\text{Shadow #2}}
\]

\[
\Rightarrow \quad \frac{x'}{8'} = \frac{1\text{yd}}{6''} \quad 1\text{yd} = 36''
\]

\[
\Rightarrow \quad \frac{x'}{8'} = \frac{36''}{6''}
\]
\[ \Rightarrow \frac{x}{8} = \frac{3.6}{6} \]

As long as the units are consistent in a fraction, they can be omitted.

\[ \Rightarrow 6x = 288 \text{ (cross multiply)} \]

\[ \Rightarrow x = 48 \]