

# Proportions

$$\frac{3}{4} = \frac{12}{84} \quad \frac{24}{168} = \frac{24}{24} = 1$$

$$\begin{array}{r} 168 \\ 17. \\ \hline 336 \\ 1680 \\ \hline 2016 \end{array}$$

$$\begin{array}{r} 168 \\ 24 \\ \hline 336 \\ 672 \\ \hline 2016 \end{array}$$

$$\begin{array}{r} 24 \overline{) 168} \\ 144 \\ \hline 240 \\ \hline 240 \\ \hline 0 \end{array}$$

Same unit in same spot

$$\frac{J}{S} = \frac{J}{S}$$

$$\frac{12}{40} = \frac{16}{x}$$

$$12x = 640$$

$$53 \frac{1}{3}$$

$$\begin{array}{r} 30.48 \\ \times 4 \\ \hline 12192 \end{array}$$

$$\frac{1 \text{ ft}}{30.48 \text{ cm}} \sim \frac{4 \text{ ft}}{X \text{ cm}}$$

$$X = 121.92 \text{ cm}$$

$$\frac{16}{(x+5)} \sim \frac{4}{5}$$

$$4x + 20 = 80$$

$$4x = 60$$

$$x = 15$$

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Homework

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