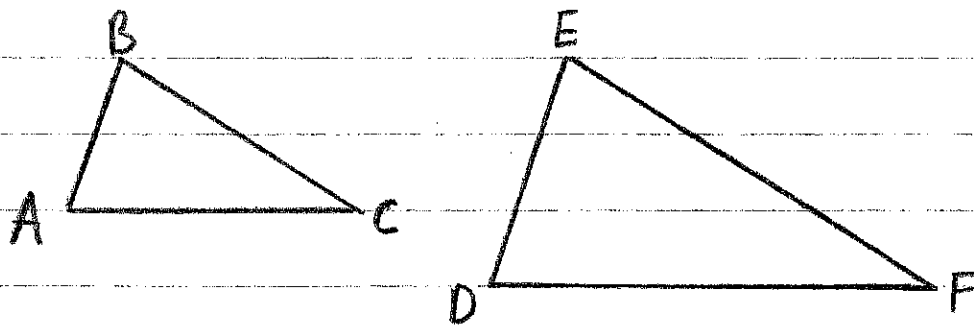


Similar Figures



$$\triangle ABC \sim \triangle DEF$$

↑ "Similar to"

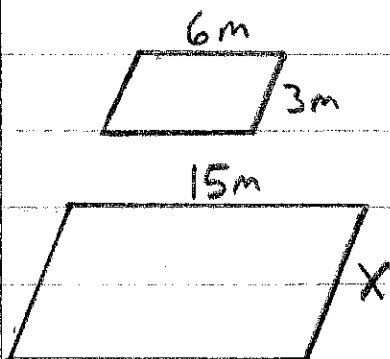
→ Corresponding Sides are Proportional

→ Corresponding Angles are Congruent

$$\text{Corresponding Sides: } \frac{AB}{DE} = \frac{BC}{EF} = \frac{AC}{DF}$$

$$\text{Corresponding Angles: } \angle A \cong \angle D, \angle B \cong \angle E, \angle C \cong \angle F$$

Find the value of x .



$$\frac{6}{15} = \frac{3}{x}$$

$$\frac{6x}{6} = \frac{45}{6}$$

$$\boxed{x = 7.5\text{m}}$$

$$\begin{array}{r} 7.5 \\ 6 \overline{) 45.0} \\ \underline{-42} \\ 30 \\ \underline{-30} \\ 0 \end{array}$$