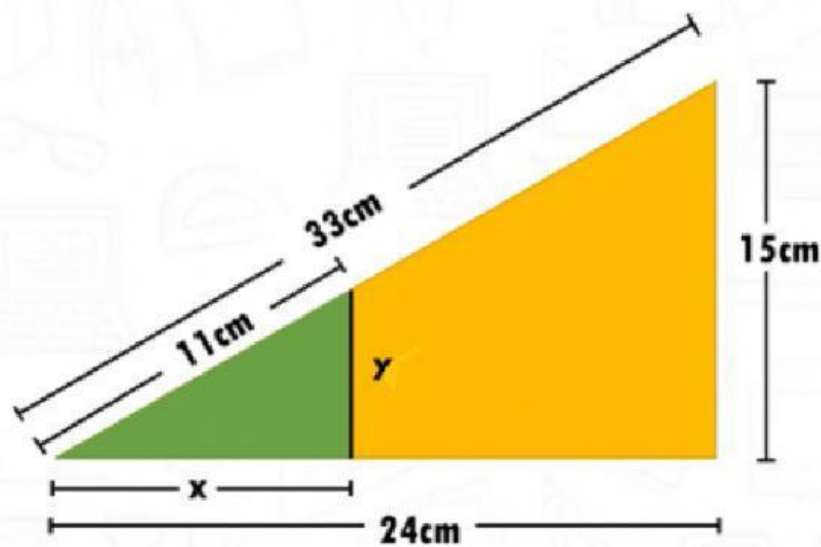


Thales of Theorem

Ninth Grade

Teacher Danilo Mojica

Student: _____



$$x = 8 \text{ cm}$$

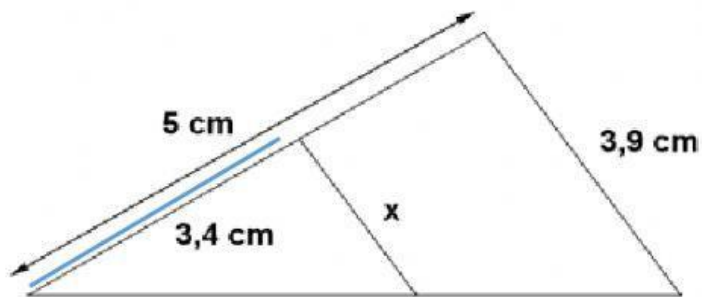
$$y = 5 \text{ cm}$$

$$\frac{33}{11} = \frac{15}{y} = \frac{24}{x} \rightarrow \text{una proporción de 3 unidades}$$

$$\frac{33}{11} = \frac{15}{y} \rightarrow \frac{11}{33} = \frac{y}{15} \rightarrow y = \frac{11 \cdot 15}{33} = 5 \text{ cm} = y$$

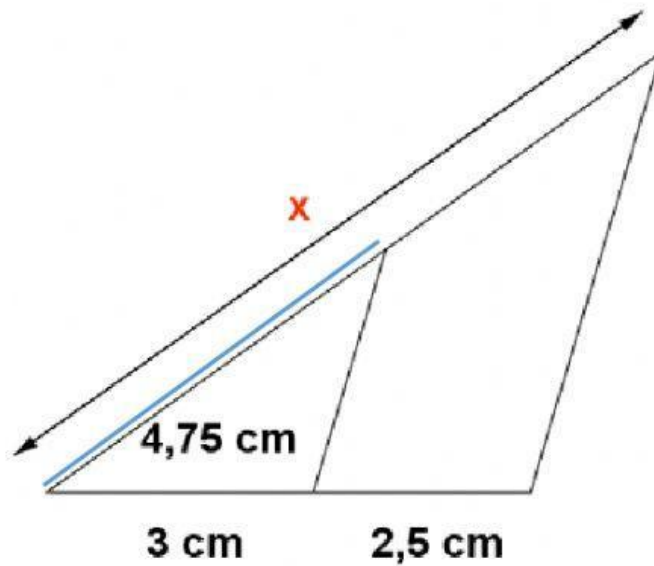
$$\frac{33}{11} = \frac{24}{x} \rightarrow \frac{11}{33} = \frac{x}{24} \rightarrow x = \frac{11 \cdot 24}{33} = 8 \text{ cm} = x$$

1) Usa el teorema de Tales para calcular x



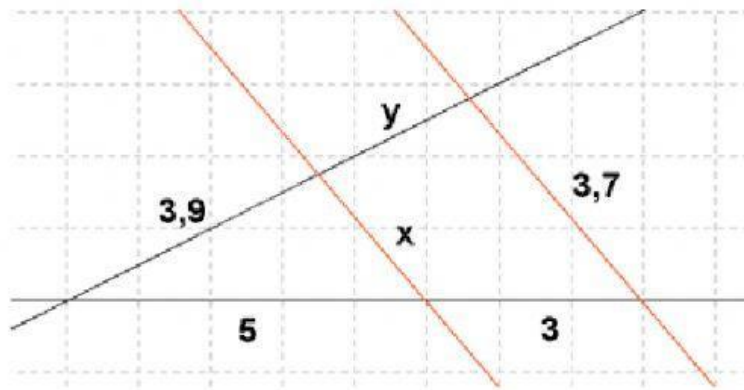
$x = \underline{\hspace{1cm}}$ cm

2) Calcula el valor de x aplicando el teorema de Tales



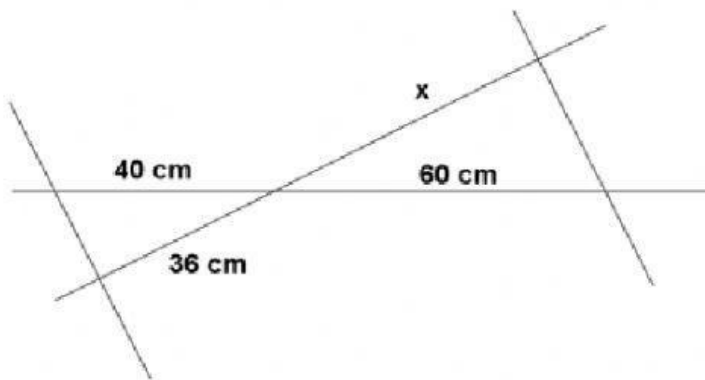
$x = \underline{\hspace{1cm}}$ cm

3) Halla x e y aplicando el teorema de Tales



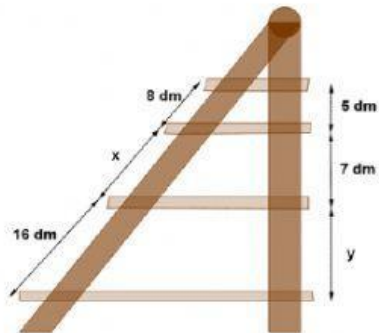
$X = \underline{\hspace{1cm}}$ cm $Y = \underline{\hspace{1cm}}$ cm

4) Halla x aplicando el teorema de Tales



$X = \underline{\hspace{1cm}}$ cm

5) Las baldas de una repisa representada en la figura son paralelos. Calcula las longitudes de la repisa representadas como x e y .



$X = \underline{\hspace{2cm}} \text{ dm} ; Y = \underline{\hspace{2cm}} \text{ dm}$