COLEGIO BILINGÜE CEDAM

Thales of Theorem

Ninth Grade
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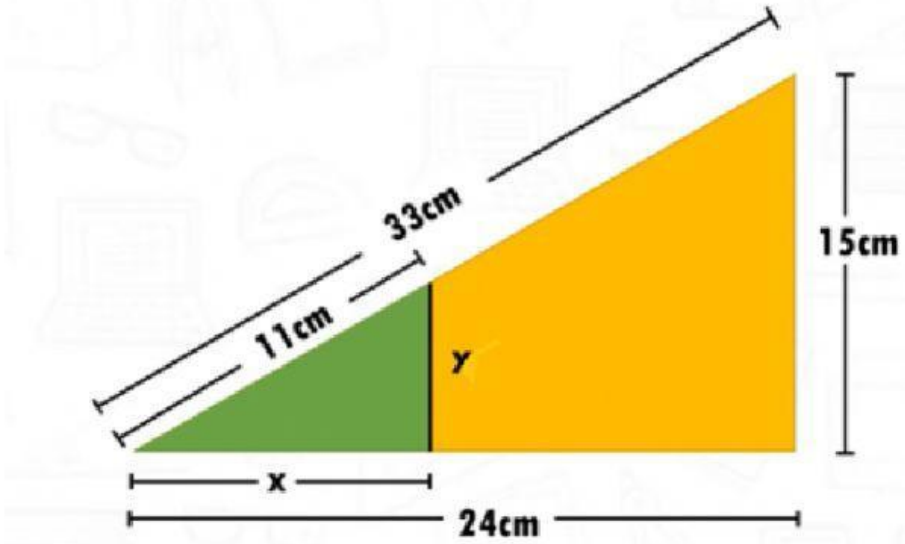
Student:_____



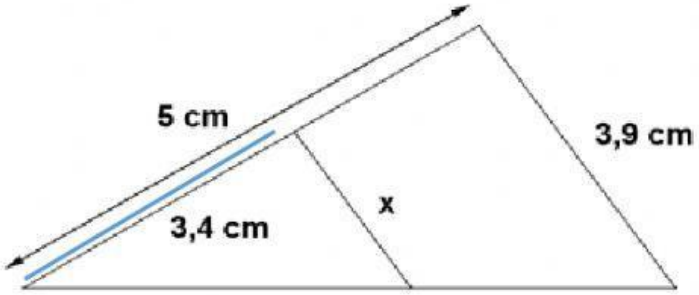
x=8 cm
y=5 cm

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

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

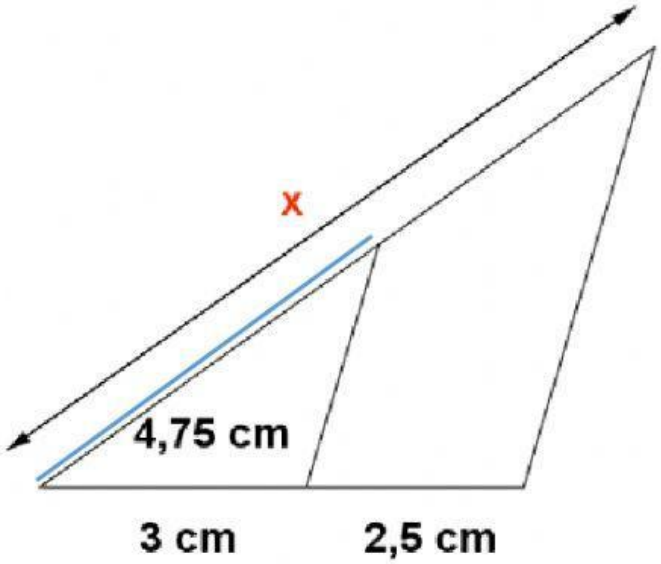
$$\frac{33}{11} = \frac{24}{x} \rightarrow \frac{11}{33} = \frac{x}{24} \rightarrow x = \frac{11 \cdot 24}{33} = 8cm = x$$

1) Usa el teorema de Tales para calcular x



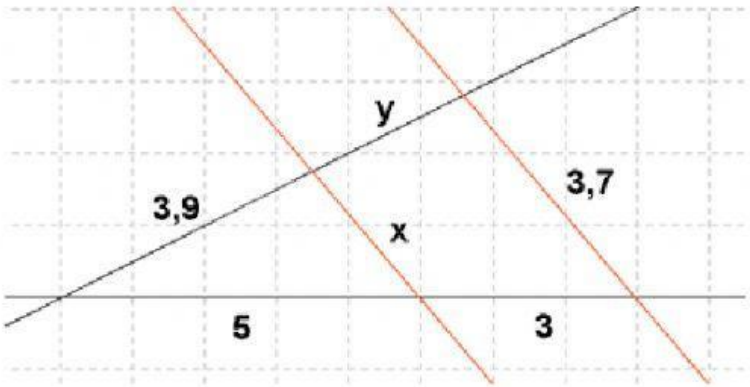
X=_____ cm

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



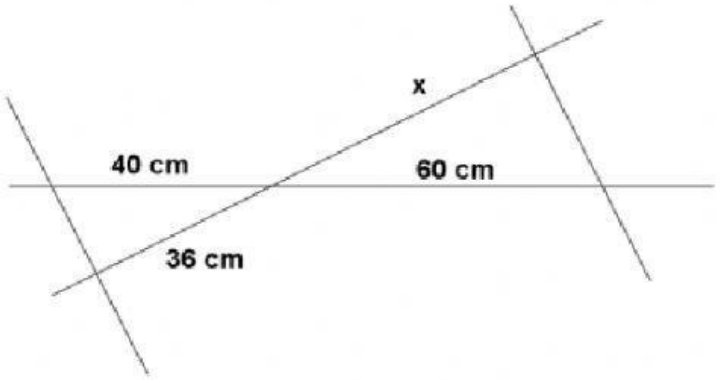
X=_____ cm

3) Halla x e y aplicando el teorema de Tales



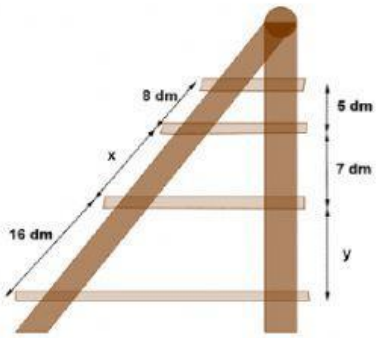
X=_____ cm Y=_____ cm

4) Halla x aplicando el teorema de Tales



X=_____ 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=_____ dm ; Y=_____ dm