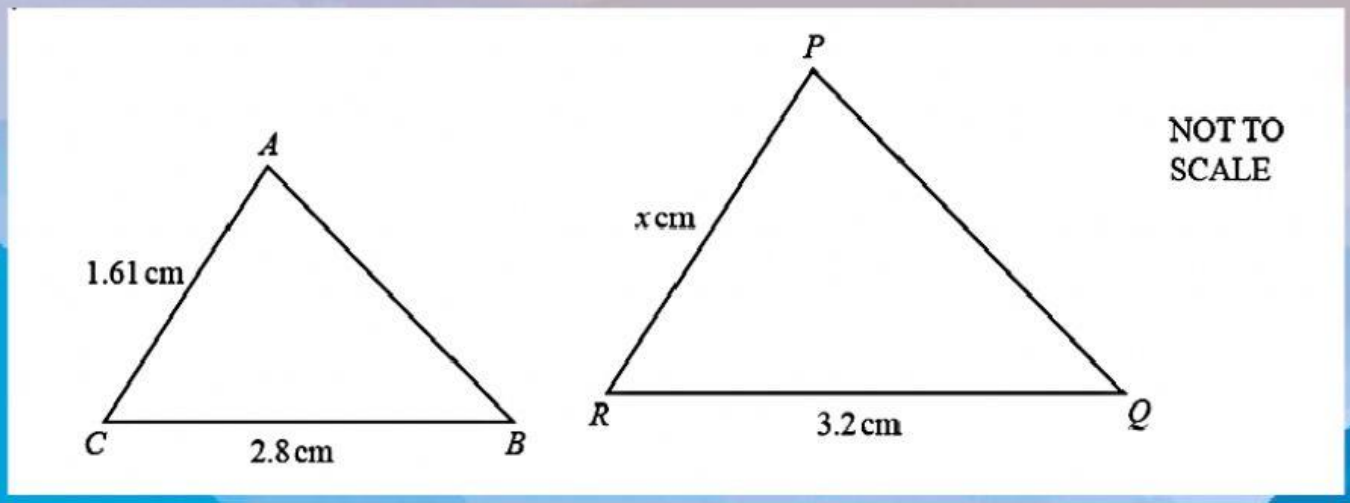
FINDING UNKNOWN LENGTH OF A SIMILAR SHAPE

Question 1: Triangle *ABC* is mathematically similar to triangle *PQR*. Find the value of x



$$\frac{PR}{\quad} = \frac{}{BC}$$

$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

$$\times \quad x \quad = \qquad \times$$

$$x \quad =$$

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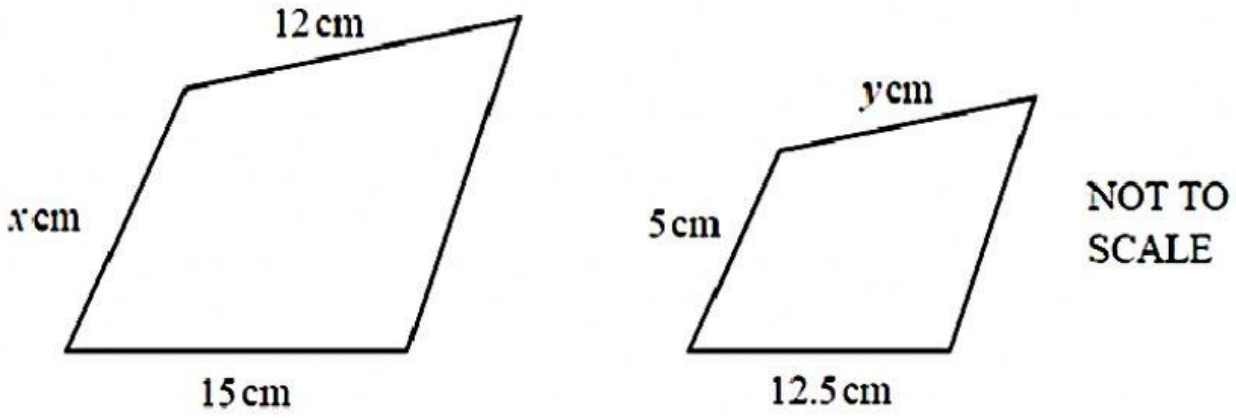
Question 2: The two shapes are mathematically similar. Find the value of y



$$\frac{y}{\quad} = \frac{\quad}{\quad}$$

$$\times \; y \; = \qquad \times$$

$$y \; =$$