

Question 1: Fill in the missing words

**Perimeter**

**Words**

If figure  $B$  is similar to figure  $A$  by a scale factor, then the \_\_\_\_\_ of  $B$  is equal to the perimeter of  $A$  times the scale factor.

**Area**

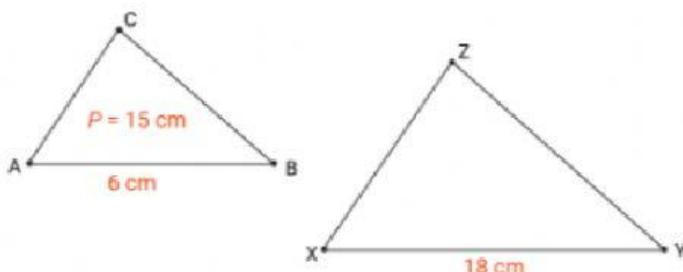
**Words**

If figure  $B$  is similar to figure  $A$  by a scale factor, then the \_\_\_\_\_ of  $B$  is equal to the area of  $A$  times the square of the scale factor.

Question 2: Find the Perimeter of the Triangle XYZ

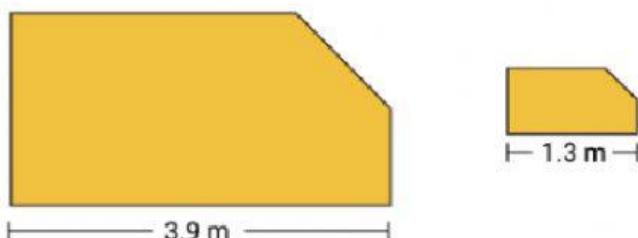
$$\text{Scale Factor} = \frac{\text{cm}}{\text{cm}} =$$

$$\text{Perimeter of XYZ} = \text{Perimeter of ABC} \cdot \text{scale factor}$$
$$= \underline{\hspace{2cm}} \cdot \underline{\hspace{2cm}}$$
$$= \underline{\hspace{2cm}}$$



Question 3: Find the Perimeter of the Triangle XYZ

$$P = 11.1 \text{ m}$$



$$\text{Scale Factor} = \frac{\text{cm}}{3.9 \text{ cm}}$$

$$\text{Perimeter of figure B} = \text{Perimeter of figure A} \cdot \text{scale factor}$$

$$= \underline{\hspace{2cm}} \cdot \frac{1}{3}$$
$$= \underline{\hspace{2cm}}$$