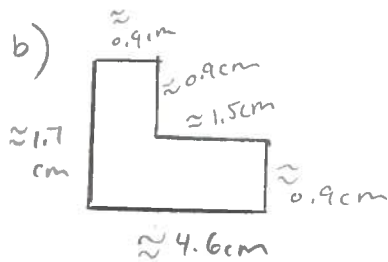
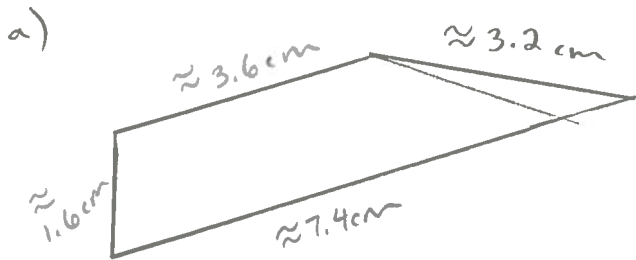


Scale Factors and Similarity TE Review - Key

• Enlargements and Reductions



• Scale Diagrams

a) 121.5

b) $x = 7.5$ $\frac{1}{7.5}$, $1:7.5$, $0.1\bar{3}$

c) $\frac{1}{109090.9091}$, $1:109090.9091$, $9.1\bar{6} \times 10^{-6}$ } same
 $0.0000091\bar{6}$

• Similar Triangles

a) All three triangles are similar to one another.

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

b) $x = 20$ $y = 25$

c) height = 1.375m

• Similar Polygons

a) The Polygons are not similar.

→ The corresponding angles are not equal and the side lengths are not proportional.

b) 48m