



Triangle  $ABC$  is mathematically similar to triangle  $UVW$ .

Calculate  $AB$ .

$$AB = \dots\dots\dots \text{ cm [2]}$$

- 25** A bar of gold in the shape of a cuboid has dimensions  $2\text{ cm}$  by  $4\text{ cm}$  by  $6.5\text{ cm}$ .  
The density of gold is  $19.32\text{ g/cm}^3$ .

Calculate the mass of this bar of gold.

$$\left[ \text{Density} = \frac{\text{mass}}{\text{volume}} \right]$$

$$\dots\dots\dots \text{ g [3]}$$