

The skills in this series of exercises appear frequently.

These are the GIFTS you must take to succeed.

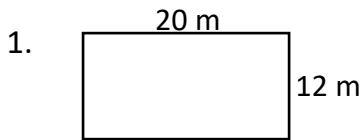


## Geometry and Measure Unit

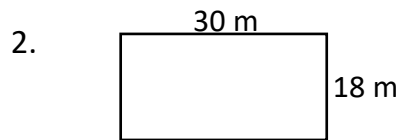
### Exercise 10

#### Scale Drawings (Non-Calculator)

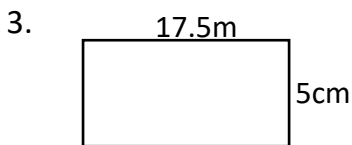
Produce an accurate scale drawing of the following:



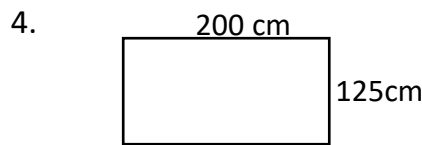
1cm = 4m



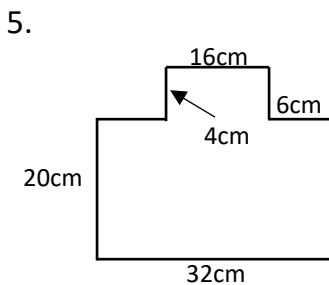
1cm = 6m



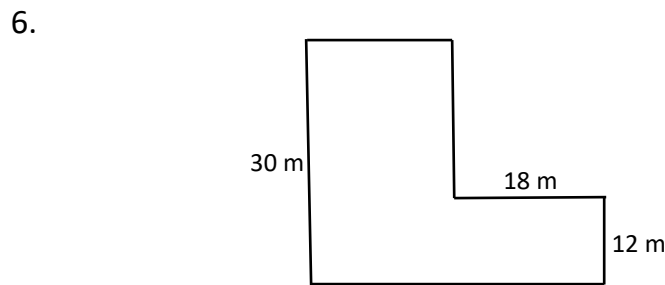
1cm = 2.5cm



1cm = 25 cm



1cm = 4cm



1cm = 3m

7. Drone A is 50 km from Drone B on a bearing of  $040^\circ$ . Scale 1 cm = 10 km.
8. A yacht, Y, is 120 km from the harbour, H on a bearing of  $125^\circ$ . Scale 1cm = 20 km.
9. An airplane flies 320 km from airport A to airport B on a bearing of  $233^\circ$ . Scale 1cm = 40 km.
10. A jet ski drives 14 km on a bearing of  $146^\circ$  from shore A to B. Scale 1cm = 3 km.

#### Applying Question

2 ships depart from Crail harbour.

Ship A sails 55 km on a bearing of  $050^\circ$ .

Ship B sails 60 km on a bearing of  $162^\circ$ .

Scale 1cm = 10 km.

Make an accurate scale drawing of this information.

How many kilometres are the two ships now apart?

