



- (a)

In triangle ABC , $AB = 8$ cm, $AC = 7$ cm and $BC = 5$ cm.

Using a ruler and compasses only, construct triangle ABC .
The side AB has been drawn for you.

[2]
- (b)

Measure angle ACB .

..... [1]
- (c)

Triangle ABC is a scale drawing of a field.

(i) The scale is 1 : 10 000.

Find the actual distance from A to B .
Give your answer in kilometres.

..... km [1]

(ii)

B is due east of A .
Find the bearing of A from B .

..... [1]

- 4
- (a)

The scale diagram shows the position of town A on a map.
Town B is 12 km from town A on a bearing of 080° .

Using a scale of 1 cm represents 2 km, mark the position of town B on the diagram.



Scale: 1 cm to 2 km

[2]

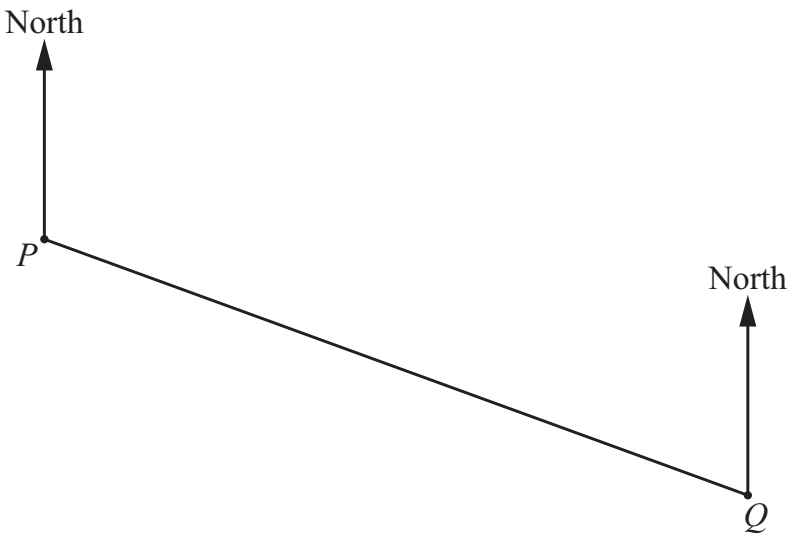
- (b)

The bearing of C from D is 130° .
Work out the bearing of D from C .

[2]

2 The scale drawing shows the positions of two villages, P and Q .

The scale is 1 cm represents 0.5 km.



(a) Find the actual distance between village P and village Q .

..... km [2]

(b) Measure the bearing of village Q from village P .

..... [1]