



- (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]