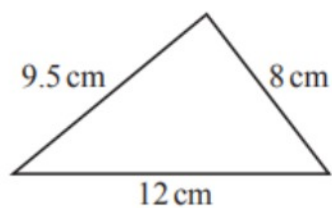


6



NOT TO
SCALE

Using a ruler and compasses only, construct this triangle.
Leave in your construction arcs.
The side of length 12 cm has been drawn for you.



[2]

- 2 In triangle ABC , $AC = 21$ m and $BC = 15.9$ m.

Using a ruler and compasses only, complete the scale drawing of the triangle.

Use a scale of 1 cm to represent 3 m.

The side AB is drawn for you.



Scale : 1 cm to 3 m

- 3 In triangle ABC , $BC = 7.6$ cm and $AC = 6.2$ cm.

Using a ruler and compasses only, construct triangle ABC .

Leave in your construction arcs.

The side AB has been drawn for you.



[2]

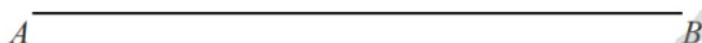
- 2 A field, ABC , is in the shape of a triangle.
 $AC = 500$ m and $BC = 650$ m.

Using a ruler and compasses only, complete the scale drawing of the field ABC .

Leave in your construction arcs.

Use a scale of 1 cm to represent 100 m.

The side AB has been drawn for you.



Scale: 1 cm to 100 m

[3]

2

P

Q

In triangle PQR , $QR = 10$ cm and $PR = 11$ cm.

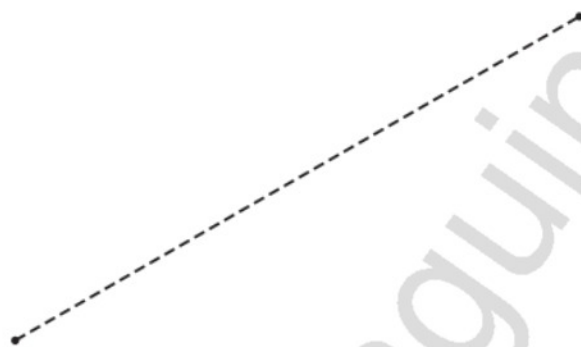
Using a ruler and compasses only, construct triangle PQR .

The line PQ has been drawn for you.

[2]

- 6 A rhombus has side length 6.5 cm.
The rhombus can be constructed by drawing two triangles.

Using a ruler and compasses only, construct the rhombus.
Leave in your construction arcs.
One diagonal of the rhombus has been drawn for you.



[2]

- 8 The scale drawing shows the positions of boat A and boat B .
The scale is 1 cm represents 0.5 km.

North



A

B

Scale: 1 cm to 0.5 km

- (a) Find the actual distance between boat A and boat B .

..... km [2]

- (b) Lighthouse L lies to the east of boats A and B .
 L is 4.4 km from boat A and 3.3 km from boat B .

Using a ruler and compasses only, construct and label the position of L .

[3]