
G12... Constructing Triangles

OCR

Edexcel

10 Use ruler and compasses to construct an equilateral triangle with sides of length 7 cm.
You must show all your construction lines.

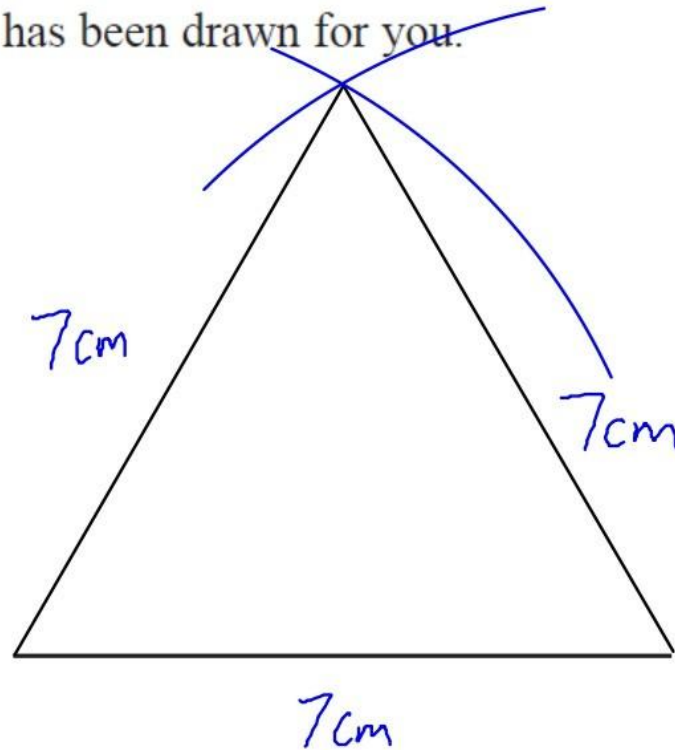
G12 One side of the triangle has been drawn for you.



(Total for Question 10 is 2 marks)

10 Use ruler and compasses to construct an equilateral triangle with sides of length 7 cm.
You must show all your construction lines.

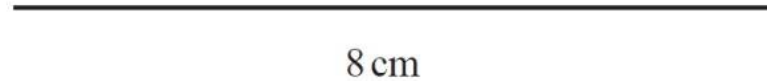
G12 One side of the triangle has been drawn for you.



(Total for Question 10 is 2 marks)

- 17** Draw accurately an isosceles triangle with sides of length 8 cm, 6 cm and 6 cm.
One side of the triangle has been drawn for you.

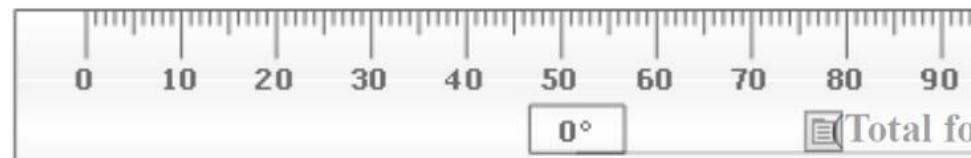
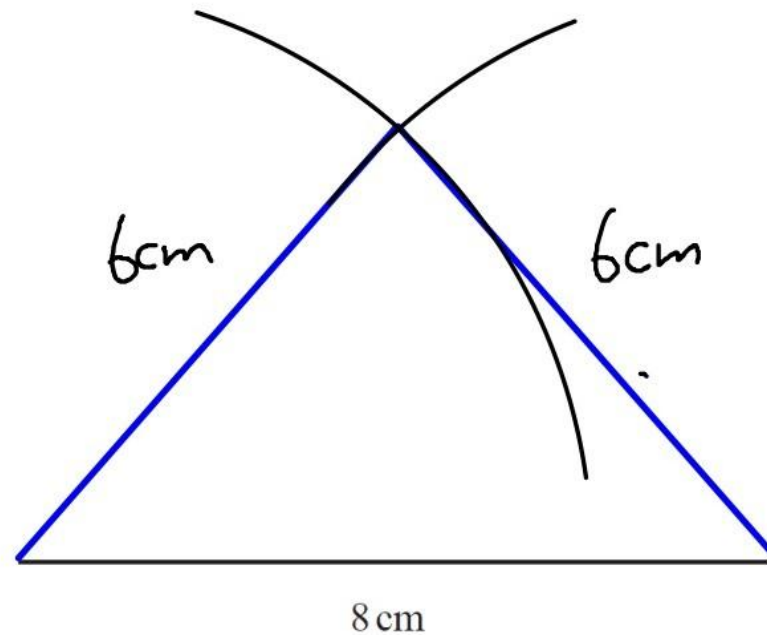
G12



(Total for Question 17 is 2 marks)

- 17 Draw accurately an isosceles triangle with sides of length 8 cm, 6 cm and 6 cm.
One side of the triangle has been drawn for you.

612



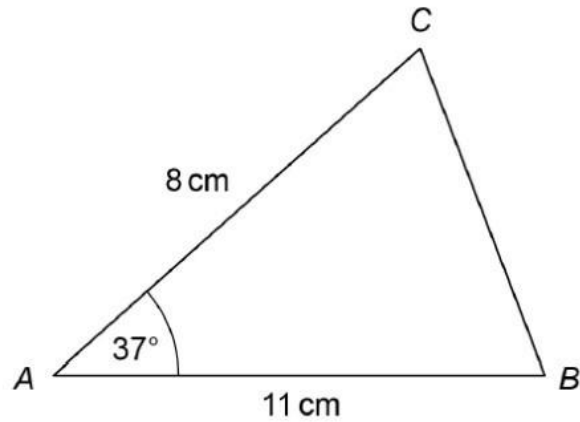
AQA

16

A sketch of triangle ABC is shown.

G12

Not drawn
accurately



In the space below, complete an accurate drawing of triangle ABC .

[2 marks]

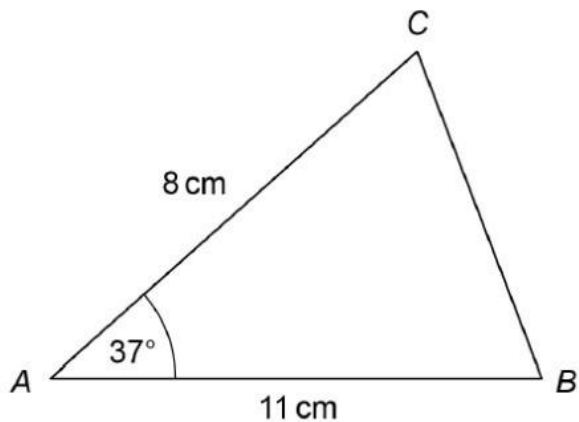
A ————— B

16

A sketch of triangle ABC is shown.

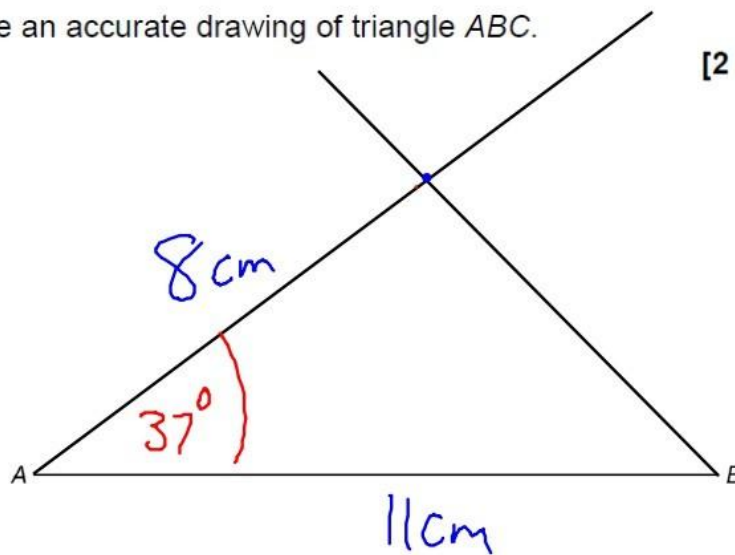
G12

Not drawn
accurately



In the space below, complete an accurate drawing of triangle ABC .

[2 marks]



24

An equilateral triangle has side length 16 metres.

G12

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

Use the scale 1 centimetre represents 2 metres.

[3 marks]

Scale: 1 cm represents 2 m

24

An equilateral triangle has side length 16 metres.

G12

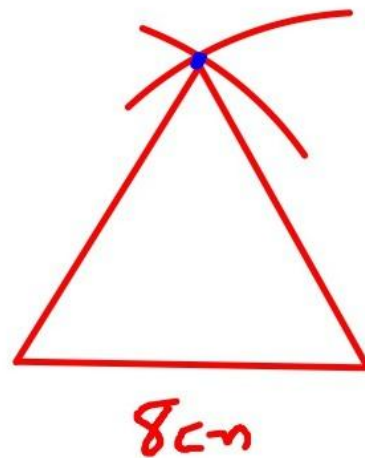
Using ruler and compasses only, construct a scale drawing of the triangle.

Use the scale 1 centimetre represents 2 metres.

[3 marks]

Scale: 1 cm represents 2 m

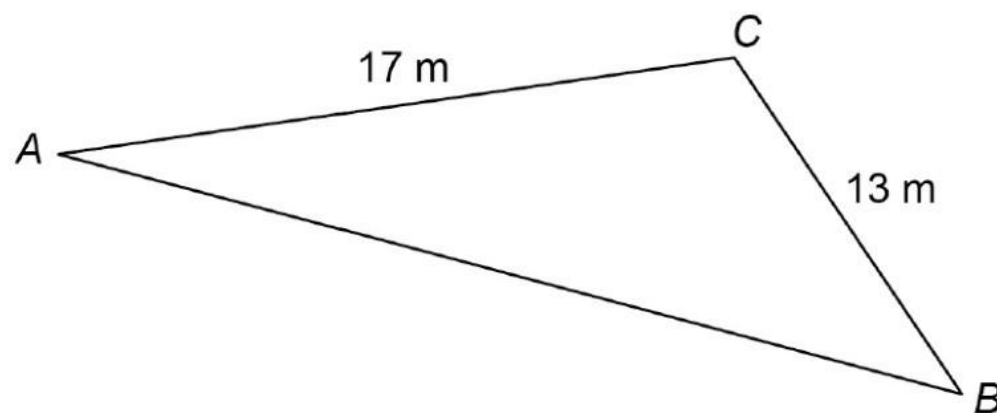
8cm 16m



18 (a) Here is a triangle.

G12

Not drawn
accurately

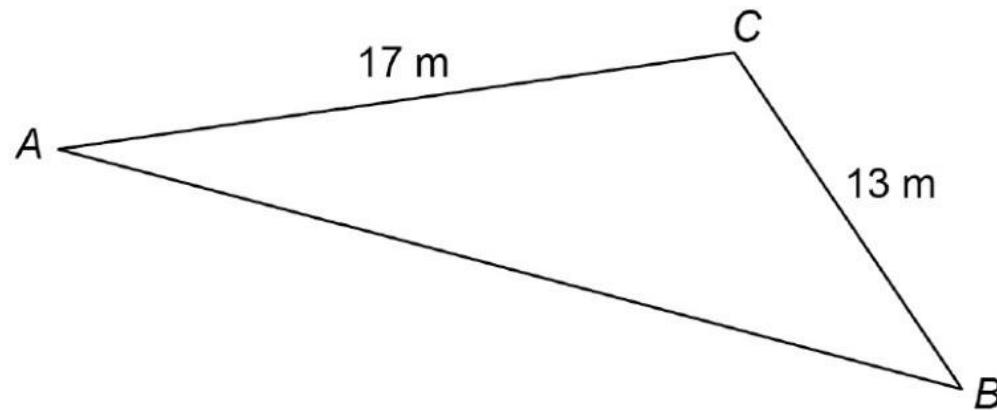


Give a reason why the length of side AB **cannot** be 35 m

[1 mark]

18 (a) Here is a triangle.

G12



Not drawn
accurately

$$\begin{array}{r} 17\text{m} \\ + 13\text{m} \\ \hline 30\text{m} \end{array}$$

Give a reason why the length of side AB **cannot** be 35 m

[1 mark]

$$35\text{m} > 30\text{m}$$

16 (b) Complete an accurate drawing of triangle PQR so that

G12

angle QPR is 53°

the length of side PR is 7.5 cm

[2 marks]



- 16 (b) Complete an accurate drawing of triangle PQR so that
612 angle QPR is 53°
the length of side PR is 7.5 cm

[2 marks]

