



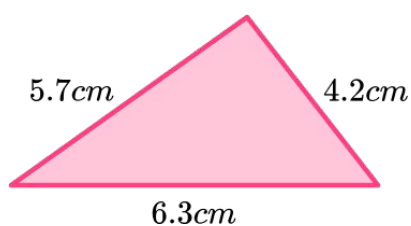
THIRD SPACE
LEARNING

GCSE Exam Questions

Constructing Triangles |
Geometry & Measure

GCSE Exam Questions: Constructing Triangles

- 1) Below is a triangle.

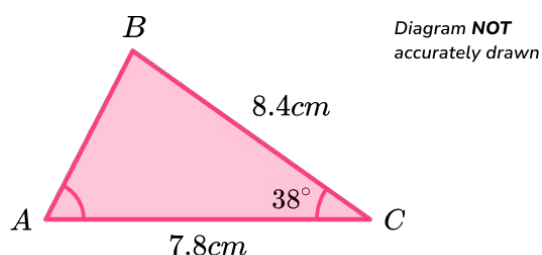


Make an accurate drawing of the triangle.

You must show all your construction lines.

(3 marks)

- 2) Shown below is a triangle that is not drawn accurately.



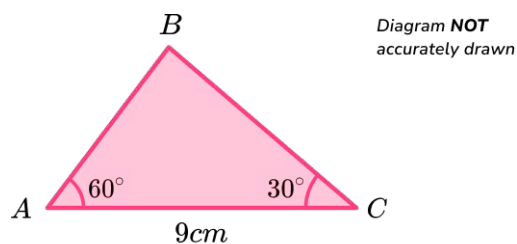
Make an accurate drawing of the triangle.

You must show all your construction lines.

(3 marks)

GCSE Exam Questions: Constructing Triangles

- 3) Shown below is triangle ABC .



- (a) Make an accurate drawing of ABC .

You must show all your construction lines.

(3)

- (b) Measure the actual length of AC .

(1)

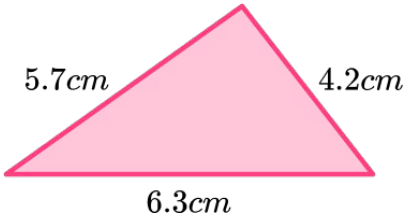
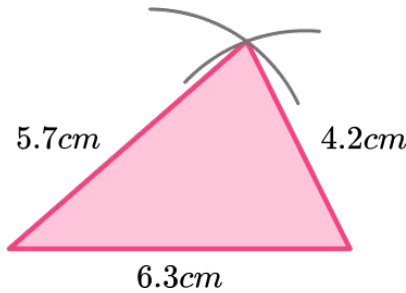
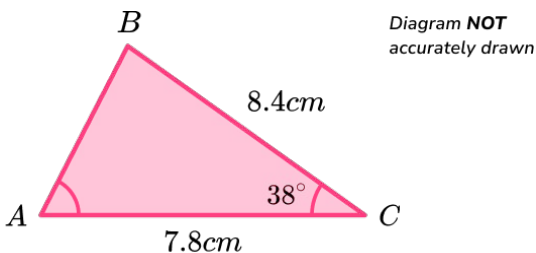
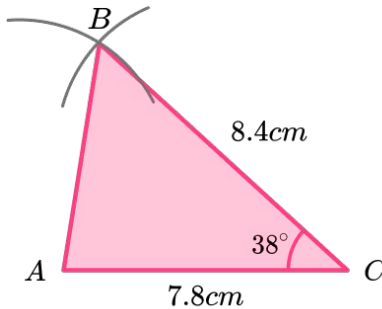
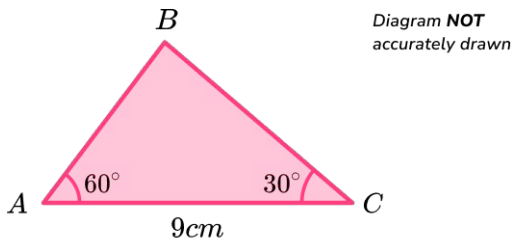
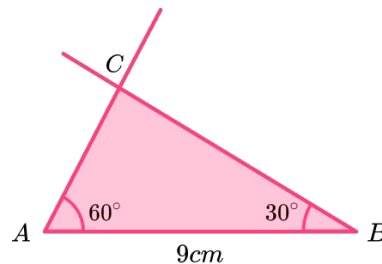
(4 marks)

GCSE Exam Questions: Constructing Triangles

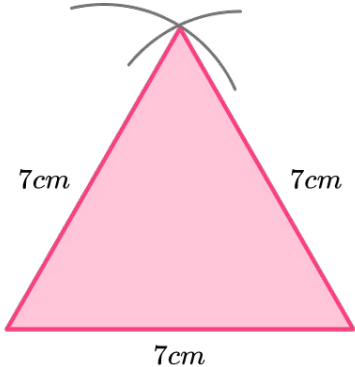
- 4) Use a ruler and compasses to construct an equilateral triangle with sides of length 7 centimetres.
You must show all your construction lines.

(3 marks)

GCSE Exam Questions: Constructing Triangles Answers

	Question	Answer	Marks
1)	Below is a triangle.  Make an accurate drawing of the triangle. You must show all your construction lines.	 6.3cm line drawn 5.7cm line drawn with compass arc 4.2cm compass arc drawn and triangle completed	(1) (1) (1)
2)	Shown below is a triangle that is not drawn accurately.  Make an accurate drawing of the triangle. You must show all your construction lines.	 7.8cm line drawn 38° angle drawn at C 8.4cm line drawn with compass arc and triangle completed	(1) (1) (1)
3)	Shown below is triangle ABC.  (a) Make an accurate drawing of ABC. You must show all your construction lines.	 (a) 9cm line drawn 60° angle drawn at A 30° angle drawn at B and triangle completed	(1) (1) (1)
(b)	Measure the actual length of AC.	(b) 4.5cm ($\pm 0.2cm$)	(1)

GCSE Exam Questions: Constructing Triangles Answers

	Question	Answer	Marks
4)	Use a ruler and compasses to construct an equilateral triangle with sides of length 7 centimetres. You must show all your construction lines.	 7cm line drawn 7cm line drawn with compass arc 7cm line drawn with compass arc and triangle completed	(1) (1) (1)

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