



THIRD SPACE
LEARNING

GCSE Exam Questions

Constructions | Geometry &
Measure

GCSE Exam Questions: Constructions

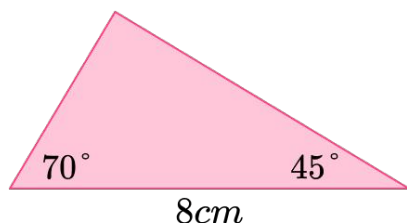
- 1) Use a ruler and compasses to construct the perpendicular from point P to the line AB .

You must show your construction lines.



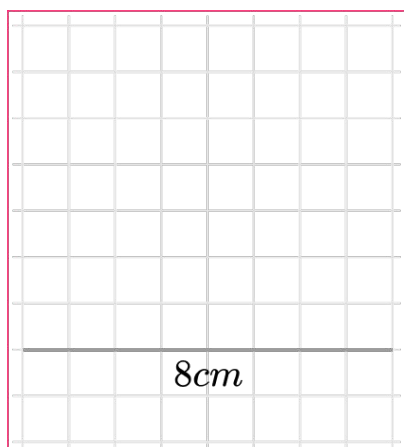
(2 marks)

- 2) Here is a triangle.



Make an accurate drawing of the triangle ABC .

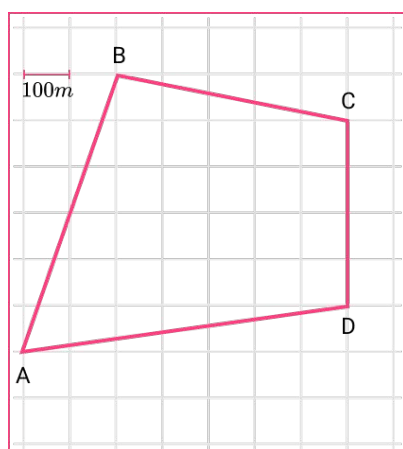
The base has already been drawn for you.



(2 marks)

GCSE Exam Questions: Constructions

- 3) The diagram shows the plan of a field.




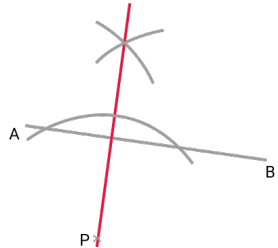
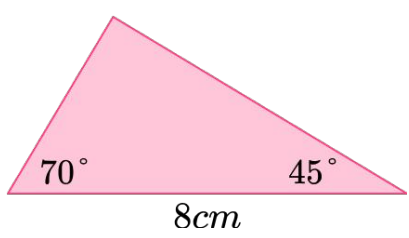
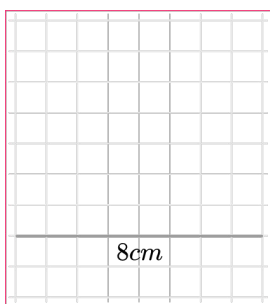
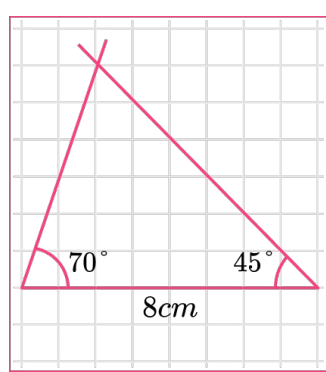
A tractor in the field is closer to AB than to AD .

The tractor is more than 500m from D .

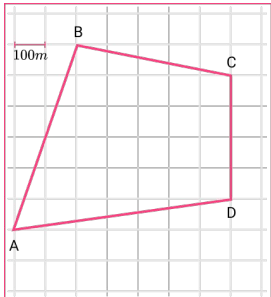
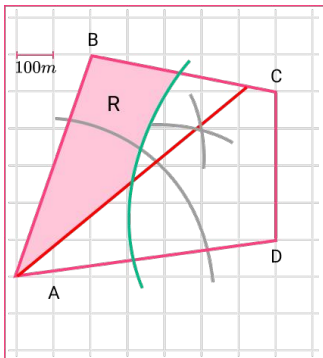
On the diagram, shade the region where the tractor might be and label it with an R .

(3 marks)

GCSE Exam Questions: Constructions Answers

	Question	Answer	Marks
1)	<p>Use a ruler and compasses to construct the perpendicular from point P to the line AB.</p>  <p>You must show your construction lines.</p>	 <p>For the first arc(s) crossing the line centred on P</p> <p>For the perpendicular with all construction arcs</p>	<p>(1)</p> <p>(1)</p>
2)	<p>Here is a triangle.</p>  <p>Make an accurate drawing of the triangle ABC.</p> <p>The base has already been drawn for you.</p> 	 <p>For the angle 68 - 72 degrees or for the angle 43 - 47 degrees</p> <p>For the completed triangle</p>	<p>(1)</p> <p>(1)</p>

GCSE Exam Questions: Constructions Answers

	Question	Answer	Marks
3)	<p>The diagram shows the plan of a field.</p>  <p>A tractor in the field is closer to AB than to AD. The tractor is more than $500m$ from D.</p> <p>On the diagram, shade the region where the tractor might be and label it with an R.</p>	 <p>For the angle bisector of BAD</p> <p>For arc of circle radius $500m$ centre D</p> <p>For the correct shaded region</p>	<p>(1)</p> <p>(1)</p> <p>(1)</p>

Where to go next?

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