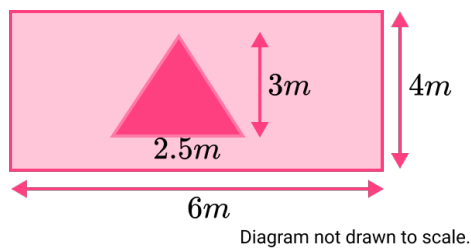# GCSE Exam Questions

Area of a Triangle | Geometry & Measure

GCSE Exam Questions: Area of a Triangle

1) Triangle *ABC* has a base length of 18*cm*. The perpendicular
    height is 7*cm*. Find the area of the triangle.

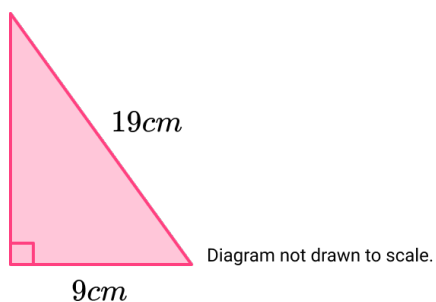------------------------------

(2 marks)

2) The diagram below shows a rectangular field. There is a
    triangular shaped gazebo in the middle of the field and the rest of
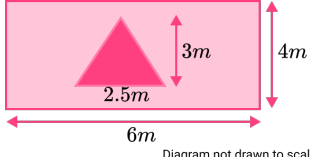   the field is grass. What is the area of the grassy space?

Diagram not drawn to scale.

(3 marks)

3) Shown below is a right angled triangle.
    Calculate the area of the right angled triangle.

Diagram not drawn to scale.

(4 marks)

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GCSE Exam Questions: Area of a Triangle Answers

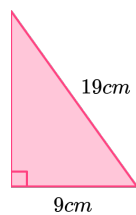|	Question	Answer	Marks
1)	Triangle ABC has a base length of 18 cm. The perpendicular height is 7 cm. Find the area of the triangle.	$\dfrac{18 \times 7}{2}$ $63 cm^2$	**(1)** **(1)**
2)	The diagram below shows a rectangular field. There is a triangular shaped gazebo in the middle of the field and the rest of the field is grass. What is the area of the grassy space? Diagram not drawn to scale.	$\dfrac{2.5 \times 3}{2} = 3.75$ 24-3.75 **oe** $20.25 m^2$	**(1)** **(1)** **(1)**
3)	Shown below is a right angled triangle. Calculate the area of the right angled triangle. Diagram not drawn to scale.	$\sqrt{19^2 - 9^2}$ **oe** $h = 16.73$ cm $\dfrac{16.73 \times 9}{2}$ **oe** $75.299... cm^2$	**(1)** **(1)** **(1)** **(1)**

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Where to go next?

For more diagnostic questions, and GCSE maths revision resources and worksheets to support students in fixing any misconceptions take a look at the free Third Space Learning GCSE maths revision pages.

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