



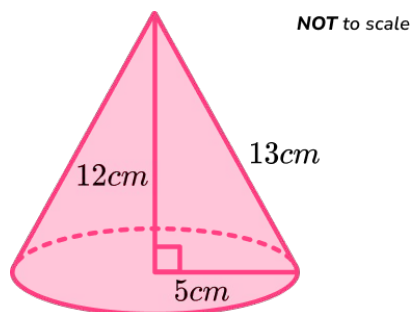
THIRD SPACE  
LEARNING

# GCSE Exam Questions

Volume of a Cone | Geometry &  
Measure

## GCSE Exam Questions: Volume of a Cone

- 1) Here is a cone.

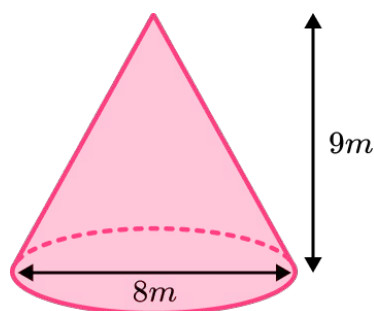


Calculate the volume of the cone.

Give your answer to 2 d.p.

-----  
(2 marks)

- 2) Here is a cone.



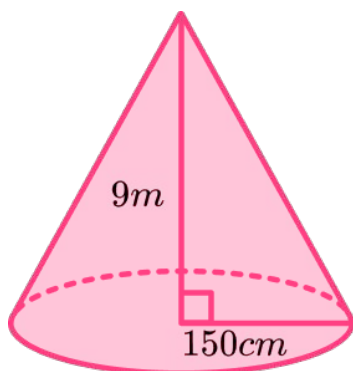
Calculate the volume of the cone.

Give your answer to 2 d.p.

-----  
(2 marks)

## GCSE Exam Questions: Volume of a Cone

- 3) Here is a cone.

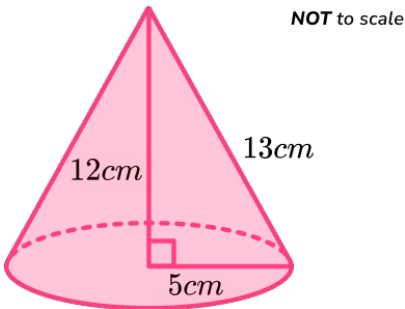
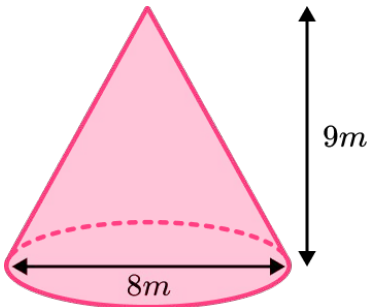
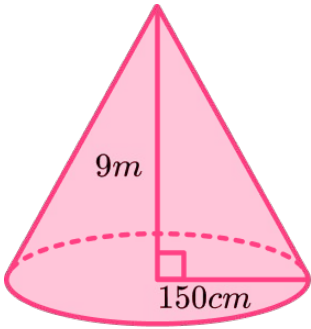


Calculate the volume of the cone in  $\text{m}^3$ .

Give your answer to 2 d.p.

-----  
(3 marks)

## GCSE Exam Questions: Volume of a Cone Answers

	Question	Answer	Marks
1)	<p>Here is a cone. Calculate the volume of the cone. Give your answer to 2 d.p.</p>  <p style="text-align: right;"><i>NOT to scale</i></p>	<p>Volume of a cone = <math>\frac{1}{3} \pi (5)^2 (12)</math></p> <p>= <math>314.16 \text{ cm}^3</math></p>	<p>(1)</p> <p>(1)</p>
2)	<p>Here is a cone. Calculate the volume of the cone. Give your answer to 2 d.p.</p> 	<p>Volume of a cone = <math>\frac{1}{3} \pi (4)^2 (9)</math></p> <p>= <math>150.80 \text{ m}^3</math></p>	<p>(1)</p> <p>(1)</p>
3)	<p>Here is a cone. Calculate the volume of the cone. Give your answer to 2 d.p.</p> 	<p><math>150 \text{ cm} = 1.5 \text{ m}</math></p> <p>Volume of a cone = <math>\frac{1}{3} \pi (1.5)^2 (9)</math></p> <p>= <math>21.21 \text{ m}^3</math></p>	<p>(1)</p> <p>(1)</p> <p>(1)</p>

# 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.

Scan the QR code to discover our library of FREE GCSE maths revision resources

## Do you have KS4 students who need additional support in maths?



Our specialist tutors will help students to develop the skills they need to succeed at GCSE in weekly one to one online revision lessons. Trusted by secondary schools across the UK.

Visit [thirdspacelearning.com](https://thirdspacelearning.com) to find out more.