



THIRD SPACE
LEARNING

GCSE Exam Questions

Significant Figures | Number

GCSE Exam Questions: Significant Figures

- 1) (a) Write 467983 correct to two significant figures.

(1)

- (b) Write 0.03887 correct to one significant figure.

(1)

- (c) Write 60.7328 correct to three significant figures.

(1)

(3 marks)

- 2) Sam was finding the area of a compound shape. His calculated result was 60942.937 cm^2 . He needs to round this area to two significant figures. Choose the correct answer.

60900 cm^2 61000 cm^2 60942.94 cm^2 60000 cm^2

(1 mark)

- 3) (a) Use a calculator to work out $\frac{\sqrt{6.79}}{3.72 - 2.81}$. Write down all of the digits on your calculator screen.

(2)

- (b) Round your answer to part (a) to three significant figures.

(1)

(3 marks)

GCSE Exam Questions: Significant Figures

4) The attendance at a live concert was given as approximately 60000.

(a) Terry thinks the amount was rounded to one significant figure.

What is the minimum amount of people that could have attended?

(1)

(b) Grace thinks the amount was rounded to two significant figures.

What is the maximum amount of people that could have attended?

(1)
(2 marks)

GCSE Exam Questions: Significant Figures Answers

	Question	Answer	Marks
1) (a)	Write 467983 correct to two significant figures.	(a) 470000	(1)
(b)	Write 0.03887 correct to one significant figure.	(b) 0.04	(1)
(c)	Write 60.7328 correct to three significant figures.	(c) 60.7	(1)
2)	Sam was finding the area of a compound shape. His calculated result was 60942.937cm^2 . He needs to round this area to two significant figures. Choose the correct answer. 60900 cm^2 61000 cm^2 60942.94 cm^2 60000 cm^2	61000cm^2	(1)
3) (a)	Use a calculator to work out $\frac{\sqrt{6.79}}{3.72 - 2.81}$ Write down all of the digits on your calculator screen.	(a) Finding intermediate results of 2.605... or 0.91 from the subtraction seen. Final result of 2.863475653.	(1) (1)
(b)	Round your answer to part (a) to three significant figures.	(b) Rounded correctly to 2.86.	(1)
4)	The attendance at a live concert was given as approximately 60000.		
(a)	Terry thinks the amount was rounded to one significant figure. What is the minimum amount of people that could have attended?	(a) 55000	(1)
(b)	Grace thinks the amount was rounded to two significant figures. What is the maximum amount of people that could have attended?	(b) 60499	(1)

Where to go next?

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