



THIRD SPACE
LEARNING

GCSE Exam Questions

Truncation | Number

GCSE Exam Questions: Truncation

- 1) (a) Truncate 2.7868 to 2 decimal places

(1)

- (b) Truncate 26834 to the thousands

(1)
(2 marks)

- 2) (a) Truncate the value of $\sqrt{62}$ to 1 decimal place

(2)

- (b) Truncate the value of 24^3 to 2 significant figures.

(2)
(4 marks)

- 3) (a) When x is truncated to the tens it becomes 400.
What is the largest possible integer value of x ?

(1)

- (b) When y is truncated to the hundreds it becomes 2700.
What is the largest possible integer value of y ?

(1)
(2 marks)

GCSE Exam Questions: Truncation

- 4) (b) A rectangle has a length $6.487m$ and a width $3.924m$. By truncating the measurements to $10cm$, approximate the area of the rectangle.

(3)

- (b) A piece of string $14.45m$ long can be made into a circle with a diameter of approximately $4.6m$. By truncating the measurements to the metre, find an estimate for the value of π .

(3)
(6 marks)

GCSE Exam Questions: Truncation Answers

	Question	Answer	Marks
1) (a)	Truncate 2.7868 to 2 decimal places	(a) 2.78	(1)
(b)	Truncate 26834 to the thousands	(b) 26000	(1)
2) (a)	Truncate the value of $\sqrt{62}$ to 1 decimal place	(a) 7.874... 7.8	(1) (1)
(b)	Truncate the value of 24^3 to 2 significant figures.	(b) 13824 13000	(1) (1)
3) (a)	When x is truncated to the tens it becomes 400. What is the largest possible integer value of x ?	(a) 409	(1)
(b)	When y is truncated to the hundreds it becomes 2700. What is the largest possible integer value of y ?	(b) 2799	(1)
4) (a)	A rectangle has a length $6.487m$ and a width $3.924m$. By truncating the measurements to $10cm$, approximate the area of the rectangle.	(a) 6.4 or 3.9 6.43.9 24. 96 m ²	(1) (1) (1)
(b)	A piece of string 14.45 metres long can be made into a circle with a diameter of approximately $4.6m$. By truncating the measurements to the metre, find an estimate for the value of π .	(b) 14 or 4 $\frac{14}{4}$ 3.5	(1) (1) (1)

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