THIRD SPACE LEARNING

GCSE Exam Questions

Rounding to 10, 100 and 1000 | Number

GCSE Exam Questions: Rounding to 10, 100 and 1000

1) (a) James thinks of a whole number. He rounds the number to the nearest 10 and obtains an answer of 40. Write down all the numbers he could have thought of.

(2)

(b) James adds the lowest possible answer to the highest possible answer.
What is this sum?

(2)

(4 marks)

2) (a) A square garden has a perimeter of 60m.
If each side of the garden is rounded to the nearest 10, what would the new perimeter be?

Perimeter = 60m

(3)

(b) The grass in the garden needs some weed killer which costs £26 per bottle.
Jane decides to buy 3 bottles and rounds up the price per bottle to the nearest 10.
How much does she spend?

(2)

(5 marks)

GCSE Exam Questions: Rounding to 10, 100 and 1000

3) **(a)** Write in figures the number twenty three thousand, four hundred and fifty five.

(1)

(b) Round this number to the nearest hundred.

(1)

(2 marks)

4) **(a)** I buy 6 chocolate bars at 57p each.

I round the price of the chocolates to the nearest 10. How much do I spend?

(2)

(b) Using your solution to part a), how much change do I obtain from £10?

(2)

(4 marks)

GCSE Exam Questions: Rounding to 10, 100 and 1000 Answers

	Question	Answer	Marks
1) (a)	James thinks of a whole number. He rounds the number to the nearest 10 and obtains an answer of 40. Write down all the numbers he could have thought of.	35, 36, 37, 38, 39, 40, 41, 42, 43, 44 Correct list of numbers 1 mark awarded for 6 correct answers	 **(1)** **(1)**
(b)	James adds the lowest possible answer to the highest possible answer. What is this sum?	35 + 44 35 + 44 = 79	**(1)** **(1)**
2) (a)	A square garden has a perimeter of 60m.  Perimeter = 60m If each side of the garden is rounded to the nearest 10, what would the new perimeter be?	60 ÷ 4 = 15cm 15 rounded to nearest 10=20cm 20cm × 4 = 80cm	**(1)** **(1)** **(1)**
(b)	The grass in the garden needs some weed killer which costs £26 per bottle. Jane decides to buy 3 bottles and rounds up the price per bottle to the nearest 10. How much does she spend?	£26 to nearest 10 = £30 £30 × 3 = £90	**(1)** **(1)**
3) (a)	Write in figures the number twenty three thousand, four hundred and fifty five.	23, 455	**(1)**
(b)	Round this number to the nearest hundred.	23,500	**(1)**
4) (a)	I buy 6 chocolate bars at 57p each. I round the price of the chocolates to the nearest 10. How much do I spend?	57p to nearest 10 = 60p 60 × 6 = 360p or £3.60	**(1)** **(1)**
(b)	Using your solution to part a), how much change do I obtain from £10?	£10 - £3.60 or 1000 - 360 £6.40 or 640p	**(1)** **(1)**

Where to go next?

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