THIRD SPACE LEARNING

GCSE Exam Questions

Decimals | Number

GCSE Exam Questions: Decimals

1) Use 156 x 249 = 38844 to work out the following:

(a) 15.6 x 2.49

(1)

(b) 0.156 x 24.9

(1)

(c) 388.44 ÷ 2.49

(1)

(3 marks)

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2) **(a)** If $F = ma$, Find F, when $m = 4.8$ and $a = 1.75$.

(2)

(b) If $D = \frac{t}{2} - g$. Find D, when $t = 6.5$ and $g = 1.428$

(2)

(4 marks)

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3) Below is the breakfast menu for a hotel.

BREAKFAST	
Continental Breakfast	£4.75
Cooked Breakfast	£9.85
Vegetarian Breakfast	£6.75
Tea for one	£1.20
Coffee for one	£1.59

The Smith family ordered one cooked breakfast, one vegetarian breakfast, three continental breakfasts, three teas and two coffees.

Calculate their total bill.

(3 marks)

GCSE Exam Questions: Decimals

4) **(a)** A wooden plank is 8.75 metres long. 5 lengths of 1.45 metres are cut from the plank. Find the length of the remaining piece.

(3)

(b) Each wooden plank is £6.74. Dean needs 12 of the planks for a garden decking. He has £80. Does Dean have enough money for the 12 wooden planks?

(3)

(6 marks)

GCSE Exam Questions: Decimals Answers

	Question	Answer	Marks
1)			
(a)	15.6 x 2.49	**(a)** 38.844	**(1)**
(b)	0.156 x 24.9	**(b)** 3.8844	**(1)**
(c)	388.44 ÷ 2.49	**(c)** 156	**(1)**
2) (a)	If $F = ma$, Find F, when $m = 4.8$ and $a = 1.75$.	**(a)** 8.4	**(1)** **(1)**
(b)	If $D = \frac{t}{2} - g$. Find D, when $t = 6.5$ and $g = 1.428$	**(b)** 6.5 ÷ 2 *or* 3.25 *seen* 1.822	**(1)** **(1)**
3)	Below is the breakfast menu for a hotel. **BREAKFAST** Continental Breakfast £4.75 Cooked Breakfast £9.85 Vegetarian Breakfast £6.75 Tea for one £1.20 Coffee for one £1.59 The Smith family ordered one cooked breakfast, one vegetarian breakfast, three continental breakfasts, three teas and two coffees. Calculate their total bill.	1.20 x 3 or 1.59 x 2 or 4.75 x 3 9.85 + 6.75 + 3.60 + 3.18 + 14.25 £37.63	**(1)** **(1)** **(1)**
4) (a)	A wooden plank is 8.75 metres long. 5 lengths of 1.45 metres are cut from the plank. Find the length of the remaining piece.	**(a)** 5 x 1.45 (= 7.25) 8.75 - "7.25" 1.5 *m*	**(1)** **(1)** **(1)**
(b)	Each wooden plank is £6.74. Dean needs 12 of the planks for a garden decking. He has £80. Does Dean have enough money for the 12 wooden planks?	**(b)** 12 x 6.74 £80.88 No	**(1)** **(1)** **(1)**

Where to go next?

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