



THIRD SPACE
LEARNING

GCSE Exam Questions

Multiplying and Dividing
Decimals | Number

GCSE Exam Questions: Multiplying and Dividing Decimals

1) (a) Work out $5.1 \div 0.17$.

(2)

(b) Work out $7.776 \div 12$.

(2)
(4 marks)

2) You are given that $132 \times 451 = 59532$.
Use this information to work out the following:

(a) 13.2×451

(b) 1.32×4.51

(c) 13.2×0.451

(1)

(1)

(1)
(3 marks)

3) A shop sells toilet paper in different size packs.

A pack of 6 costs £1.65.

A pack of 9 costs £2.43.

A pack of 2 costs £0.60.

Which pack is the best value for money?

(3 marks)

GCSE Exam Questions: Multiplying and Dividing Decimals

4) (a) Find the cost of 12 bottles of sparkling water costing £1.69 each.

(2)

(b) At a cinema, adult tickets cost £7.75 and child tickets cost £5.49. Find the total cost of 5 adults and 7 children.

(3)
(5 marks)

	Question	Answer	Marks
1) (a)	Work out $5.1 \div 0.17$	(a) Method to calculate $510 \div 17$ 30	(1) (1)
(b)	Work out $7.776 \div 12$.	(a) Attempt at short or long division 0.648	(1) (1)
2)	You are given that $132 \times 451 = 59532$. Use this information to work out the following:		
(a)	13.2×451	(a) 5953.2	(1)
(b)	1.32×4.51	(b) 5.9532	(1)
(c)	13.2×0.451	(c) 5.9532	(1)
3)	A shop sells toilet paper in different size packs. A pack of 6 costs £1.65. A pack of 9 costs £2.43. A pack of 2 costs £0.60. Which pack is the best value for money?	$1.65 \div 6 = 0.275$ <i>or</i> $2.43 \div 9 = 0.27$ <i>or</i> $0.60 \div 2 = 0.30$ <i>or</i> 0.275, 0.27, 0.30 or $1.65 \times 3 = \text{£}4.95$ or $2.43 \times 2 = \text{£}4.86$ or $0.60 \times 9 = \text{£}5.40$ or £4.95, £4.86, £5.40 Pack of 9 best value	(1) (1) (1) (1) (1)
4) (a)	Find the cost of 12 bottles of sparkling water costing £1.69 each.	(a) Method to multiply 12 by 169 £20.28	(1) (1)
(b)	At a cinema, adult tickets cost £7.75 and child tickets cost £5.49. Find the total cost of 5 adults and 7 children.	(b) 5×7.75 or 7×5.49 seen 38.75 or 38.43 seen £77.18	(1) (1) (1)

Where to go next?

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