



THIRD SPACE
LEARNING

GCSE Exam Questions

Estimation | Number

GCSE Exam Questions: Estimation

1) (a) Estimate: 3645×2.4

(1)

(b) Estimate: 58.73×3.86

(1)
(2 marks)

2) (a) Bob buys 53 tennis balls at £0.53 each.
Estimate how much Bob spent.

(1)

(b) A flower bed measures 9.02m wide and 3.94m long.
Estimate the area of the flower bed

(1)
(2 marks)

3) (a) Estimate the answer to: 7.1^2

(1)

(b) Find an estimate for $\sqrt{10}$. Give your answer to 1 decimal place.

(2)

(c) Find an estimate for $\frac{52 \times 6.78}{0.51}$. Give your answer to 1 decimal place.

(2)
(5 marks)

GCSE Exam Questions: Estimation Answers

	Question	Answer	Marks
1) (a)	Estimate: 3645×2.4	$3645 \times 2.4 \approx 4000 \times 2$ 8000	(1)
(b)	Estimate: 58.73×3.86	$58.73 \times 3.86 \approx 60 \times 4$ 240	(1)
2) (a)	Bob buys 53 tennis balls at £0.53 each. Estimate how much Bob spent.	$53 \times 0.53 \approx 50 \times 0.50$ £25	(1)
(b)	A flower bed measures 9.02m wide and 3.94m long. Estimate the area of the flower bed.	$9.02 \times 3.94 \approx 9 \times 4$ $36m^2$	(1)
3) (a)	Estimate the answer to: 7.1^2	$7.1^2 \approx 7^2$ 49	(1)
(b)	Find an estimate for $\sqrt{10}$. Give your answer to 1 decimal place.	$\sqrt{10}$ lies between and $\sqrt{10}$ lies between 3 and 4. Answer between 3.1 and 3.3	(1) (1)
(c)	Estimate the value of: $\frac{52 \times 6.78}{0.51}$	$\frac{52 \times 6.78}{0.51} \approx \frac{50 \times 7}{0.5}$ $\frac{350}{0.5} = 700$	(1) (1)

Where to go next?

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