GCSE Exam Questions

Best Buys | Ratio & Proportion

GCSE Exam Questions: Best Buys

1) Washing powder is sold in 3 different sizes of container.

A $3kg$ container costs £5.40

A $5kg$ container costs £8

A $7kg$ container costs £13.30

Which size of container is the best value for money?

You must show how you got your answer.

- -

(3 marks)

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2) Sarah is buying shampoo. She needs to choose between two brands and wants to buy the shampoo that is better value for money.

Silky Smooth   **Crisp and Clean**

$400ml$ $300ml$

£3.60   £3

(a) Which shampoo is better value for money?

- -

(2)

(b) Silky Smooth is available in the USA for $4.50 per bottle.

Given that £1 = $1.35, in which country is Silky Smooth better value for money?

- -

(2)

(4 marks)

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1

GCSE Exam Questions: Best Buys

3) A multipack of crisps usually contains 12 packets of crisps and is sold for £3.

The crisp manufacturers consider two different offers:

Offer 1: 50% extra free	Offer 2: Buy one multipack, get the second half price

Which of these offers is better value? Show how you decide.

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(5 marks)

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2

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GCSE Exam Questions: Best Buys Answers

	Question	Answer	Marks
1)	Washing powder is sold in 3 different sizes of container. A 3kg container costs £5.40 A 5kg container costs £8 A 7kg container costs £13.30 Which size of container is the best value for money? You must show how you got your answer.	3kg container: 1kg = £1.80 5kg container: 1kg = £1.60 7kg container: 1kg = £1.90 Calculates the value of two containers with a comparable unit. Calculates the value of all three containers with comparable units. 5kg container is better value for money.	**(1)** **(1)** **(1)**
2) (a)	Sarah is buying shampoo. She needs to choose between two brands and wants to buy the shampoo that is better value for money. Silky Smooth Crisp and Clean 400ml 300ml £3.60 £3 Which shampoo is better value for money?	Silky smooth: 100ml = £0.90 Crisp and clean: 100ml = £1 Silky Smooth better value	**(1)** **(1)**
(b)	Silky Smooth is available in the USA for $4.50 per bottle. Given that £1 = $1.35, in which country is Silky Smooth better value for money?	£3.60 v 1.35 = $4.86 **or** $4.50 \div 1.35 = £3.33$ Better value in the USA	**(1)** **(1)**
3)	A multipack of crisps usually contains 12 packets of crisps and is sold for £3. The crisp manufacturers consider two different offers: | Offer 1: 50% extra free	Offer 2: Buy one multipack, get the second half price | |---|---| Which of these offers is better value? Show how you decide.	Offer 1: 18 packs for £3 1 pack = 16.67p Offer 2: 24 packs for £4.50 1 pack = 18.75p Offer 1 is better	**(1)** **(1)** **(1)** **(1)** **(1)**

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3

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