

Best Buy Questions

Mark Scheme

Level	GCSE
Subject	Maths
Exam Board	Edexcel GCSE
Topic	Best Buy Questions
Grade Level	Grade 3
Booklet	Mark Scheme

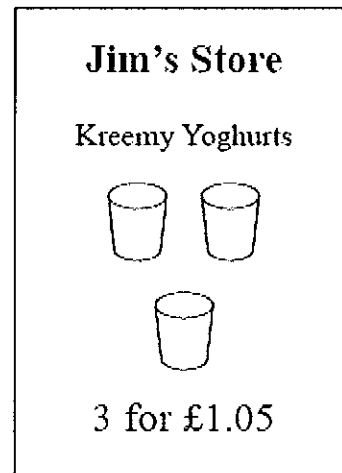
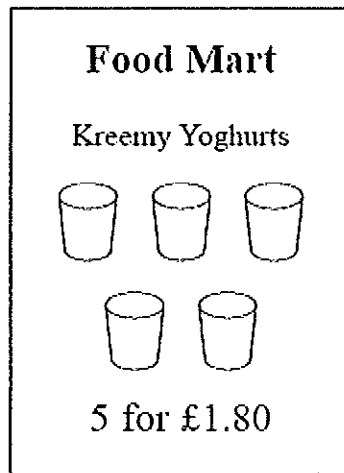
Time Allowed: 42 minutes

Score: /35

Percentage: /100

Grade Boundaries:

1. Two shops, Food Mart and Jim's Store, both sell Kreemy Yoghurts.



At which shop are Kreemy Yoghurts the better value for money?
You must show all your working.

KREEMY YOGHURTS

15 Yoghurts:

$$\begin{aligned} &£1.80 \times 3 \\ &= \cancel{£}5.40 \end{aligned}$$

JIM'S STORE

15 Yoghurts

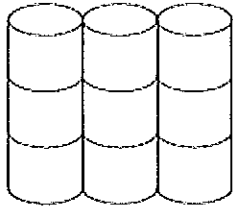
$$\begin{aligned} &\cancel{£}1.05 \times 5 \\ &= \cancel{£}5.25 \end{aligned}$$

Jim's store is better value for money.

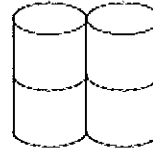
..... Jim's Store

(3 marks)

2.



Pack of 9
toilet rolls
£4.23



Pack of 4
toilet rolls
£1.96

A pack of 9 toilet rolls costs £4.23

A pack of 4 toilet rolls costs £1.96

Which pack gives the better value for money?

You must show all your working.

Pack of 9

36 Rolls:

$$£4.23 \times 4$$

$$= £16.92$$

Pack of 4

36 Rolls:

$$£1.96 \times 9$$

$$= £17.64$$

$$\begin{array}{r} 1.96 \\ \times 9 \\ \hline 17.64 \end{array}$$

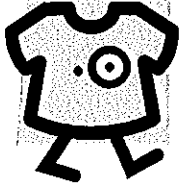
The pack of 9 is better value for money

.....Pack of 9.....

(3 marks)

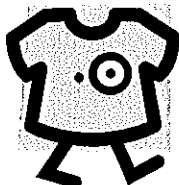
*3. T-shirts normally cost £12 each.

Two shops have a special offer on these T-shirts.



T-Shirts-R-Us

Special offer
Pay for two T-shirts and get one free. = 3
Pay for five T-shirts and get three free = 8



Budget Shirt Company

Special offer
1/3 off normal price

Stephen wants to buy 30 T-shirts.

Work out at which shop, Stephen will get the better deal.
You must show clearly how you got your answer.

T Shirts R Us	Budget Shirt Company
(24) $3 \times 5 \text{ shirts} = 3 \times 5 \times 12 = 180$	$\frac{2}{3} \times 30 \times 12$
(6) $2 \times 2 \text{ shirts} = 2 \times 2 \times 12 = 48$	$20 \times 12 = £240$
<u>£ 228</u>	<u>£ 240</u>

Stephen will get a better deal at T-Shirts-R-Us

.....
(4 marks)

- *4. Potatoes cost £9 for a 12.5 kg bag at a farm shop.
The same type of potatoes cost £1.83 for a 2.5 kg bag at a supermarket.

Where are the potatoes the better value, at the farm shop or at the supermarket?
You must show your working.

Farm shop	Supermarket
£9 for 12.5kg	$£1.83 \times 5$ (for 12.5kg)
	$= £9.15$

The farm shop is better value for money

.....
(4 marks)

- *5. Radox Handwash cost is on offer at Boots and Superdrug.

Boots 500ml bottles on offer at 3 for 2
Superdrug 300ml bottles on offer at buy one get one free

Where is the handwash better value, at Boots or Superdrug?
You must show your working.

Boots	Superdrug
Buy 2 get 1500ml	Buy 2 get 1200ml

Assuming they are the same price...

Superdrug is better value for money

.....
(4 marks)

- *6. Carrots cost £1 for a 1.2 kg bag at Tesco.
The same type of carrots cost 77 pence for a 700 g bag at ASDA.

Where are the Carrots better value.
You must show your working.

Tesco	ASDA
£1 for 1.2kg	77p for 700g
	11p for 100g
	£1.32 for 1.2kg

Tesco is better value for money

.....
(4 marks)

- *7. Diet Coke is on offer at Morrisons and Sainsburys.

Morrisons: 2 litre bottles on offer 3 for £4.50
Sainsburys: 24 cans x 330ml on offer for £8.85

Morrisons	Sainsburys
6 litres for £4.50	330
2 litres for £1.50	$\times 24$
8 litres for £6	<u>1320</u>
	<u>6600</u>
	7920
	7.92 litres for £8.85

Morrisons is better value for money.

.....
(4 marks)

8. Thomas wants to buy an iPod.
The iPod that Thomas wants is sold in two different shops.

<p>Pod Direct</p> <p>15% OFF usual price of £120</p>

<p>Music City</p> <p>£84 plus VAT at 17½ %</p>

Work out the difference in the cost of the iPod at the two shops..

Pod Direct

£120

$$10\% = £12$$

$$5\% = £6$$

$$15\% = £18$$

$$£120 - £18 = \underline{£102}$$

Music City

£84

$$10\% = £8.40$$

$$5\% = £4.20$$

$$2.5\% = £2.10$$

$$17.5\% = £14.70$$

$$£84 + £14.70 = £98.70$$

$$£102 - £98.70 = £3.30$$

£ 3.30

(5 marks)

*9. Railtickets and Cheaptrains are two websites selling train tickets.

Each of the websites adds a credit card charge and a booking fee to the ticket price.

Railtickets

Credit card charge: 2.25% of ticket price

Booking fee: 80 pence

Cheaptrains

Credit card charge: 1.5% of ticket price

Booking fee: £1.90

Nadia wants to buy a train ticket.

The ticket price is £60 on each website.

Nadia will pay by credit card.

Will it be cheaper for Nadia to buy the train ticket from Railtickets or from Cheaptrains?

£60

$$1\% = 60p$$

$$0.5\% = 30p$$

$$0.25\% = 15p$$

$$2\% = £1.20$$

Railtickets

$$2.25\% = £1.35$$

$$£1.35 + 0.80 = \underline{£2.15}$$

Cheaptrains

$$1.5\% = 90p$$

$$0.90 + 1.90 = £2.80$$

Railtickets is cheaper.

.....
(4 marks)