



Best Buys (Non-Calculator) Exam Practice

Finding the Cost Of One (Unitary Method)

1. Two packs of kitchen rolls are available in the supermarket

9 rolls for £2.34

5 rolls for £1.45

Work out which pack offers the best value for money.

You must show your working.

$$9 \overline{) 2.34} = 0.26 \therefore \text{£}0.26 \text{ per roll}$$

$$5 \overline{) 1.45} = 0.29 \therefore \text{£}0.29 \text{ per roll}$$

Answer: 9-pack
[3 marks]

2. A brand of hair dye is available in two different bottles.

80 ml for £6.00

50 ml for £3.60

Work out which bottle offers the best value money.

You must show your working.

$$\frac{600}{80} = \frac{30}{4} = \frac{15}{2} = 7.5p \text{ per ml}$$

$$\frac{360}{50} = \frac{36}{5} = \frac{72}{10} = 7.2p \text{ per ml}$$

Answer: 50 ml bottle

[3 marks]



3. At a DIY store, you can buy:

4 light bulbs for £6.20 or 6 light bulbs for £9.60.

Joe decides to buy 12 light bulbs. Assuming that he has chosen the best of these two offers, work out how much he has saved.

$$4 \overline{) 6.20} \quad \therefore \text{£}1.55 \text{ per bulb}$$

$$6 \overline{) 9.60} \quad \therefore \text{£}1.60 \text{ per bulb}$$

Answer: 4-pack
[4 marks]

Making Both The Same Amount (Non-Unitary Method)

4. Cabbages costs £12.41 for a 7.5 kg bag at a farm shop.

The same producer of cabbages cost £3.90 for a 2.5 kg bag at a supermarket.

Who offers the best value for money, the farm shop or the supermarket?

You must show your working.

$$\begin{array}{l} \text{£}3.90 \text{ for } 2.5\text{kg} \\ \times 3 \\ \hline \text{£}11.70 \end{array} \quad \begin{array}{l} \text{7.5kg} \\ \times 3 \end{array}$$

$$\begin{array}{r} 3 \\ 300 \overline{) 900} \\ 90 \overline{) 270} \\ \hline 1170 \end{array}$$

$$11.70 < 12.41$$

Answer: Supermarket
[3 marks]



7. Liquid soap comes into two sized plastic bottles at the local store:

750 ml for £1.68

500 grams for £1.14

$\times 2$

$\times 3$

Work out which bottle offers the best value for money.

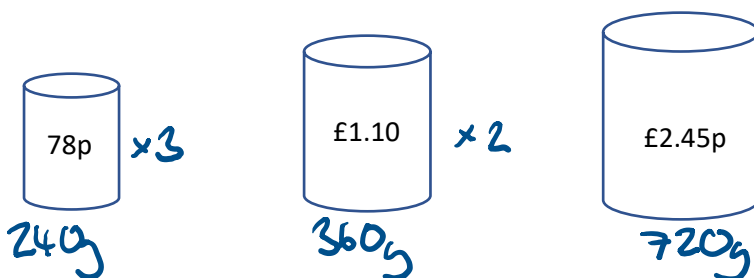
You must show your working.

$$\begin{array}{r|l} \times & 2 \\ \hline 100 & 200 \\ 60 & 120 \\ 8 & 16 \\ \hline & 326 \end{array}$$

$$\begin{array}{r|l} & 3 \\ \hline 100 & 300 \\ 10 & 30 \\ 4 & 12 \\ \hline & 342 \end{array}$$

£3.36 for 1500ml £3.42 for 1500ml Answer: 750 ml [3 marks]

8. Three cans of baked beans are sold in the supermarket: small, medium and large.



Small cans contain 240g, medium cans contain 360g, and large cans contain 720g of beans.

Work out which can offers the best value for money.

You must show your working.

$$\begin{array}{r|l} & 3 \\ \hline 70 & 210 \\ 8 & 24 \\ \hline & 236 \\ \hline & £2.36 \\ & (\text{Small}) \end{array}$$

$$£1.10 \times 2 = £2.20$$

(Medium)

Answer: Medium [4 marks]



9. Below are 3 offers on nails at 3 different DIY stores.

Adam's
200 nails for £5

$\times 3$

Benson's
150 nails for £4

$\times 4$

Clark's
300 nails for £7

$\times 2$

Which of these is the best value for money? You must show your working.

600 for £15

600 for £16

600 for £14

Answer: Clark's
[4 marks]

Special Offers

10. In a shop, t-shirts are sold for £5.20 each. Today there is a special offer:

"Buy 2, get 1 free".

Work out the price of buying 12 t-shirts using this offer.

Buy 2 get 1 free so buy in groups of 3

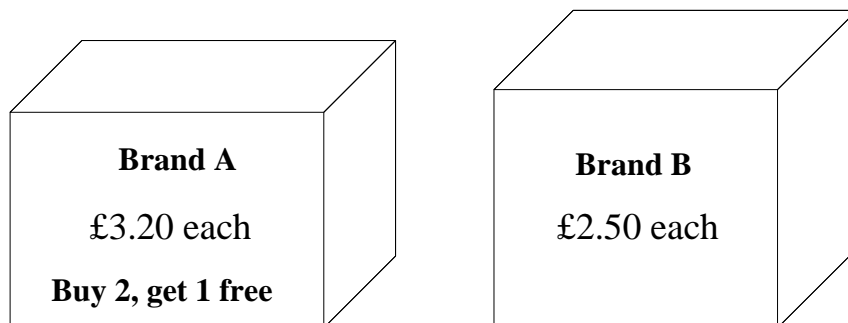
$\frac{12}{3} = 4 \therefore$ need to buy $4 \times 2 = 8$

$$\begin{array}{r|l} & 8 \\ \hline 500 & 4000 \\ 20 & 160 \\ \hline & 4160 \end{array}$$

Answer: £41.60
[2 marks]



11. Two packets of tea bags are available in the supermarket. Both contain the same amount of tea.



Robert wants to buy 7 packets of tea bags.

- a) How does it cost to buy 7 packets of brand A?

Need to buy 4, get 2 free then 1 extra
∴ 5 paid for in total

$$\begin{array}{r|l} & 5 \\ \hline 300 & 1500 \\ 20 & 100 \\ \hline & 1600 \end{array}$$

Answer: £16.00
[2 marks]

- b) How much money has he saved money by choosing brand A rather than brand B?

$$\begin{array}{r|l} & 7 \\ \hline 200 & 1400 \\ 50 & 350 \\ \hline & 1750 \end{array}$$

£17.50

$$£17.50 - £16.00 = £1.50$$

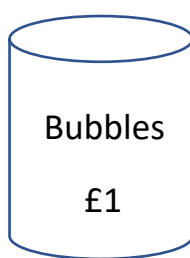
Answer: £1.50
[2 marks]



12. In a corner shop there are two deals on two types of can of cola:



Buy 2, get 1 free



Buy get 3, get 1 free

Suppose that you want to buy 30 cans of cola for a children's party.

Work out which deal is the best value.

You must show all your working out.

Fizz Wizz
Buy 20, get 10 free
$$\begin{array}{r|l} & 20 \\ 100 & 2000 \\ 10 & 200 \\ \hline & \pounds 2200 \end{array}$$

Bubbles
Buy 21 get 7 free
+ buy 2 more
 $\therefore 23 \times \pounds 1 = \pounds 23$

Answer: Fizz Wizz
[4 marks]