

Best Buys & Value for Money

Practice Worksheet (Foundation Tier)

I DO

A shop sells laundry liquid in two different sized bottles.

- Small bottle: 400 ml for £1.60
- Large bottle: 1.2 litres for £5.40

The shop has a special offer on the large bottle: "10% off the normal price".

Which bottle is better value for money? You must show all your working.

WE DO

A shop sells shampoo in two different sized bottles.

- Small bottle: 300 ml for £1.20
- Large bottle: 900 ml for £4.50

The shop has a special offer on the large bottle: "20% off the normal price".

Which bottle is better value for money? You must show all your working.



YOU DO 1

A shop sells orange juice in two different sized cartons.

- Small carton: 500 ml for £1.40
- Large carton: 1.5 litres for £4.50

The shop has a special offer on the large carton: "10% off the normal price".

Which carton is better value for money? You must show all your working.

YOU DO 2

A shop sells hand wash in two different sized bottles.

- Small bottle: 250 ml for £0.80
- Large bottle: 1 litre for £3.60

The shop has a special offer on the large bottle: "15% off the normal price".

Which bottle is better value for money? You must show all your working.



CHALLENGE

A supermarket sells washing powder in two different sized boxes.

- Box A: 800g for £3.20. Special offer: "Buy one get one half price".
- Box B: 2.4kg for £10.50. Special offer: "20% off".

Which box is better value for money when buying on the special offer? You must show all your working.

PRACTICE PERFECT

Solve the following best buy problems. Show your working.

- 1) Ryan is buying some pens. A pack of 4 pens costs £1.80. A pack of 10 pens costs £4.00. Which pack is better value for money?
- 2) Katie needs to buy some flour. She can buy a 500g bag for 85p or a 1.5kg bag for £2.40. Which is better value?
- 3) Paul buys cola. He can buy a 2-litre bottle for £1.70 or a multipack of six 330ml cans for £2.00. Which is better value?
- 4) Zoe wants to buy crisps. Shop A sells them at 3 bags for £1.20. Shop B sells them at 50p each or "Buy one get one free". Where should Zoe buy her crisps for the best value?
- 5) Keeley is buying toilet roll. A 4-pack costs £1.90. A 9-pack costs £4.05. Which pack is better value?
- 6) Steve is buying dog food. A 3kg bag costs £5.40. An 8kg bag costs £13.60. Which bag is better value?
- 7) Poppy is buying coffee. Jar A is 200g for £4.50. Jar B is 300g for £7.00 with "10% off". Which jar is better value?
- 8) Tom needs to buy batteries. Pack A has 6 batteries for £3.00. Pack B has 4 batteries + 2 free for £3.20. Pack C has 8 batteries for £3.80. Which is the best value?
- 9) Catherine, Mark, and John are buying paint. 2.5 litres costs £12. 10 litres costs £45. Which is better value?
- 10) Emily and Kate want to buy milk. A 1-pint bottle costs 65p. A 4-pint bottle costs £2.50. Which is better value?
- 11) Rob and Paige buy cat food. 6 tins cost £3.30. 15 tins cost £8.00. Which is better value?
- 12) Sophie, Sarah, Emma, and Vicky share the cost of a taxi. Is it better value to use "Speedy Cabs" at £3.00 plus £1.50 per mile, or "Fast Cars" at £5.00 plus £1.20 per mile, for a 10-mile journey?



ANSWERS & WORKED SOLUTIONS

I Do

Step 1: Calculate Large bottle price. 10% of $\pounds 5.40 = \pounds 0.54$. New price = $\pounds 5.40 - \pounds 0.54 = \pounds 4.86$.

Step 2: Scale Small bottle to match Large bottle ($1.2\text{L} = 1200\text{ml}$). $400\text{ml} \times 3 = 1200\text{ml}$.

Step 3: $\pounds 1.60 \times 3 = \pounds 4.80$.

Step 4: Compare prices for 1200ml: Small = $\pounds 4.80$, Large = $\pounds 4.86$.

Answer: The Small bottle is better value.

We Do

Step 1: Calculate Large bottle price. 20% of $\pounds 4.50 = \pounds 0.90$. New price = $\pounds 4.50 - \pounds 0.90 = \pounds 3.60$.

Step 2: Scale Small bottle to match Large bottle. $300\text{ml} \times 3 = 900\text{ml}$.

Step 3: $\pounds 1.20 \times 3 = \pounds 3.60$.

Step 4: Compare prices for 900ml: Small = $\pounds 3.60$, Large = $\pounds 3.60$.

Answer: They are both exactly the same value.

You Do 1

Step 1: Calculate Large carton price. 10% of $\pounds 4.50 = \pounds 0.45$. New price = $\pounds 4.50 - \pounds 0.45 = \pounds 4.05$.

Step 2: Scale Small carton to 1500ml (1.5L). $500\text{ml} \times 3 = 1500\text{ml}$.

Step 3: $\pounds 1.40 \times 3 = \pounds 4.20$.

Step 4: Compare prices for 1.5L: Small = $\pounds 4.20$, Large = $\pounds 4.05$.

Answer: The Large carton is better value.

You Do 2

Step 1: Calculate Large bottle price. $10\% = 36\text{p}$, $5\% = 18\text{p} \rightarrow 15\% = 54\text{p}$. New price = $\pounds 3.60 - \pounds 0.54 = \pounds 3.06$.

Step 2: Scale Small bottle to 1 Litre (1000ml). $250\text{ml} \times 4 = 1000\text{ml}$.

Step 3: $\pounds 0.80 \times 4 = \pounds 3.20$.

Step 4: Compare prices for 1 Litre: Small = $\pounds 3.20$, Large = $\pounds 3.06$.

Answer: The Large bottle is better value.

Challenge

Step 1: Box A offer. 2 boxes (1600g) = $\pounds 3.20 + \pounds 1.60 = \pounds 4.80$. So 800g equivalent = $\pounds 2.40$.

Step 2: Box B offer. $10\% = \pounds 1.05 \rightarrow 20\% = \pounds 2.10$. New price = $\pounds 10.50 - \pounds 2.10 = \pounds 8.40$ for 2.4kg (2400g).

Step 3: Box B 800g equivalent = $\pounds 8.40 \div 3 = \pounds 2.80$.

Step 4: Compare 800g prices: Box A = $\pounds 2.40$, Box B = $\pounds 2.80$.

Answer: Box A is better value.

Practice Perfect

1) 10 pack is better. (10 pack = 40p each, 4 pack = 45p each).

3) 2-litre bottle is better. ($6 \times 330\text{ml} = 1980\text{ml}$ for $\pounds 2.00$ vs 2000ml for $\pounds 1.70$).

5) 9-pack is better. (Compare 36 rolls: $9\text{-pack} \times 4 = \pounds 16.20$. $4\text{-pack} \times 9 = \pounds 17.10$).

7) Jar B is better. (Jar B = $\pounds 6.30$ for 300g . 600g equivalent: Jar A $\times 3 = \pounds 13.50$. Jar B $\times 2 = \pounds 12.60$).

9) 10 litres is better. ($2.5\text{L} \times 4 = 10\text{L}$. $\pounds 12 \times 4 = \pounds 48$ vs $\pounds 45$).

11) 15 tins is better. (Compare 30 tins: $6\text{ tins} \times 5 = \pounds 16.50$. $15\text{ tins} \times 2 = \pounds 16.00$).

2) 1.5kg bag is better. ($500\text{g} \times 3 = 1.5\text{kg}$. $\pounds 0.85 \times 3 = \pounds 2.55$ vs $\pounds 2.40$).

4) Shop B is better. (Shop A = 40p each. Shop B = 2 for $50\text{p} = 25\text{p}$ each).

6) 8kg bag is better. (Price per 1kg : $3\text{kg} = \pounds 1.80/\text{kg}$. $8\text{kg} = \pounds 1.70/\text{kg}$).

8) Pack C is better. (Pack A = 50p each. Pack B = 6 for $\pounds 3.20 = \sim 53\text{p}$ each. Pack C = $\pounds 3.80 \div 8 = 47.5\text{p}$ each).

10) 4-pint bottle is better. ($1\text{-pint} \times 4 = \pounds 2.60$ vs $\pounds 2.50$).

12) Fast Cars is better. (Shop A: $\pounds 3 + \pounds 15 = \pounds 18$. Fast: $\pounds 5 + \pounds 12 = \pounds 17$).

