

## Value for Money S1-S3, National 4

1. Tins of paint come in three different sizes – 10 litres, 5 litres and 2.5 litres.  
 (a) Copy and complete the table below to find the cost of each of these tins per litre.

Size of tin	Cost	Cost per litre
10 litres	£21.50	
5 litres	£12.50	
2.5 litres	£6.50	



- (b) Which size of tin gives best value for money?  
 (c) Stephen needs 15 litres of paint to paint his bedroom. Should he buy a 10 litre and a 5 litre tin or three 5 litre tins?

2. Milk can be bought in 1 litre cartons or 2 litre bottles, as shown below.



Cost = 67 pence



Cost = £1.40

Which of the above is better value for money?

3. Tins of tomato soup can be bought as single tins or in packs of 4, as shown.



Cost = 67 pence



Cost = £2.24

Amanda wants to buy 4 tins of tomato soup. Is it cheaper to buy 4 single tins or a pack of 4 tins?

4. Stuart needs to buy engine oil to top up the oil in his car. He can buy the oil in 5 litre bottles which cost £7.99 or 8 litre bottles which cost £11.99.  
 Which size of bottle offers better value for money?

5. Sugar can be bought in 1 kilogram costing 86 pence or 2 kilogram bags costing £1.55.



Which bag offers better value for money?

6. Cat litter can be bought in three different sizes – 20 litres, 10 litres and 5 litres. The table below shows the cost of each bag of cat litter.

Cost	Size of bag	Cost per litre
£9.50	20 litres	
£4.65	10 litres	
£2.99	5 litres	

Which bag of cat litter offers best value for money?

7. Coca-cola can be bought in 1 litre and 2 litre bottles, as shown.



Cost = 85 pence



Cost = £1.60

- (a) Which bottle offers best value for money?  
 (b) Hazel is having a party. She decides to buy 9 litres of coca-cola. What is the cheapest price she can pay for 9 litres of coca-cola?

8. Tea bags come in boxes of 40 or boxes of 80.



Cost = 72 pence



Cost = £1.52

Which box gives better value for money?

9. Suhayl has an HP printer for his computer. Replacement ink cartridges can be bought in two forms – genuine HP cartridges or refill cartridges. The genuine HP cartridges will print 300 pages and cost £15.60. The refill cartridges will print 250 pages and cost £12.25.

Which type of cartridge is better value for money?

10. Baked beans can be bought as single tins or in 4-packs, as shown.



Cost = 52 pence



Cost = £2.12

Is it cheaper to buy 4 single tins of beans or a pack of 4?

11. Margarine can be bought in 500 gram or 1 kilogram tubs.  
A 500 gram tub costs 86 pence and a 1 kilogram tub costs £1.54.



Which size of tub is better value for money?

12. Nadia buys 'Look' magazine every week. The magazine costs £1.60.  
She decides to buy a yearly subscription for the magazine that will cost her £65.



How much will she save in a year if she buys the subscription?

13. Brian is a student and goes to the cinema regularly. It costs him £4.50 to get into the cinema but he can buy an unlimited monthly pass for £14.



- (a) How many visits to the cinema in one month must Brian make for a monthly pass to be better value?
- (b) Brian buys a monthly pass and goes to the cinema 8 times in the month. How much money does he save?

14. Michael is a season ticket holder at Dundee United football club. His season ticket costs him £280 and guarantees him entry to 20 home games.  
Without a season ticket, entry to each game costs £18.50.



If Michael attends all 20 home games, how much does he save by having a season ticket?

15. Samia wants to improve her fitness levels and is going to go to a gym.  
She can pay £5.20 for each session in the gym or buy a monthly pass costing £55 which means she can use the gym as often as she wants.



- (a) If she buys a monthly pass, how often must she use the gym in a month to make the monthly pass worthwhile?
- (b) During the first month she has a pass she uses the gym 15 times. How much money does she save by buying the pass?