

For each of the following questions, demonstrate all your working.

- 1) A cinema offers two ticket types:  
Standard: £7 per ticket  
Family bundle: 4 tickets for £25  
Which option is the better value per person?
- 2) A shop sells pencils:  
1 pencil for 60p  
Pack of 5 pencils for £2.50  
Which option is the better deal?
- 3) A fairground offers the following ride packages:  
£6 for 2 rides  
£10 for 4 rides  
Which option gives the better value per ride?
- 4) A phone plan offers 6 GB for £10.75, or 10 GB for £18. Which plan gives the better value per GB?
- 5) A bottle of water costs £1.20 for 1.5 litres. Another bottle costs £0.79 for 1 litre. Which is the better value?
- 6) A 500 g pack of pasta costs £0.80. A 1 kg pack costs £1.60. Which is the better value?
- 7) Two packs of kitchen roll are on sale in a supermarket.  
Pack of 4 for £1.40  
Pack of 10 for £3.60  
Which pack offers the better value for the money?
- 8) A pack of 6 cans of fizzy drink costs £2.70. A pack of 12 cans of fizzy drink costs £5.00. Which pack offers the better value per can?
- 9) A travel bottle of shampoo contains 150 ml and costs £1.80. A family-size bottle contains 600 ml and costs £5.40. Which size is the better value?
- 10) A 2 litre bottle of juice is £1.80. A 750 ml bottle of juice is £0.75. Which size is the better value?
- 11) A shop has two offers on pens:  
Offer 1: Buy 2 for £1.28  
Offer 2: £0.95 each  
Buy 2 get 1 free  
Which offer is the better value per pen?
- 12) A shop sells chewing gum in three different pack sizes:  
Pack A: 6 pieces for £1.20  
Pack B: 10 pieces for £1.70  
Pack C: 18 pieces for £3.24  
Which pack offers the best value?
- 13) A phone company offers two internet plans.  
Plan A: £27 per month for 100 GB  
Plan B: £35 per month for unlimited data  
How much would you have to use in GB for Plan B to be the better value?
- 14) A hotel charges £80 per night, or a special offer rate of £210 for 3 nights (with a free breakfast worth £10 per day included).  
  
Is the special offer better than paying per night with breakfast separately? If so, how much is saved through the special offer?