

Proportion/Unitary Method

(a) 4 bottles of cola cost £3.60. How much do 9 bottles of cola cost?

(a) £8.10

(b) 5 jars of coffee cost £9. How much do 4 jars cost?

(b) £7.20

(c) 8 bottles of washing up liquid cost £12. How much will 5 bottles cost?

(c) £7.50

(d) 3 rolls of Sellotape cost £2.40. How much will 5 rolls of Sellotape cost?

(d) £4

(e) It takes 4 people 2 days to paint a wall. How long would it take if 8 people painted the wall?

(e) 1 day

(f) It takes 14 hours for a tap with a flow of 18 litres per minute to fill a reservoir with water. How long will it take if its flow is reduced to 7 litres per minutes?

(f) 36 hours

(g) If 6 builders take 80 days to build a house. How many builders must be employed to build the house in just 16 days?

(g) 30 builders

(h) One kilogram of cheese costs £9.68. Chris buys 650 g of this cheese. How much does he pay?

(h) £6.29

(i) On 1st May 2012, the cost of 5.7 grams of gold was 15 960 rupees. Work out the cost, in rupees, of 4.6 grams of gold on the same day.

(i) 12880 rupees

(j) 4 people take 3 hours to paint a fence. How long would it take 5 people to paint the same fence? Give your answer in hours and minutes.

(j) 2 hours 24 mins

(k) Sam and two friends put letters in envelopes on Monday. The three of them take two hours to put 600 letters in envelopes. Working at the same rate, how much longer would it take four people to put 1000 letters in envelopes than it would take five people?

(k) 30 minutes