

# QT Proportion



1. Eleven pencils cost £0.99.  
Work out the cost of 22 of these pencils.

(1 mark)

2. 13 chocolate bars costs £6.37.  
Work out the cost of 18 of these chocolate bars.

(2 marks)

3. 12 fruity chews cost £3.24.  
Work out the cost of 19 fruity chews.

(2 marks)

4. The total price for 8 licorice sticks is £4.72.  
Work out the cost of 21 licorice sticks.

(2 marks)

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5. 7 blue pens cost £1.89.  
Work out the total price of 21 blue pens.

(2 marks)

6. The total price for 3 board marker pens is £2.43.  
Work out the cost of 16 board marker pens.

(2 marks)

7. The cost of 3.5 kg of pears is £2.31.  
The total cost of 10.5 kg of pears and 0.5 kg of oranges is £7.53.  
Work out the cost of 1 kg of oranges.

(3 marks)

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8. The cost of 0.5 kg of apples is £0.38.  
The total cost of 1.5 kg of apples and 3.5 kg of lemons is £3.03.  
Work out the cost of 1 kg of lemons.

(3 marks)

9. The cost of 0.5 kg of nectarines is £0.48.  
The total cost of 1 kg of nectarines and 0.5 kg of pears is £1.52.  
Work out the cost of 1 kg of pears.

(3 marks)

10. The cost of 2.5 kg of melons is £1.05.  
The total cost of 5 kg of melons and 1.5 kg of pears is £3.54.  
Work out the cost of 1 kg of pears.

(3 marks)

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11. The cost of 0.5 kg of apples is £0.38.  
The total cost of 2 kg of apples and 2.5 kg of nectarines is £4.52.  
Work out the cost of 1 kg of nectarines.

(3 marks)

12. Here is a list of ingredients for making 12 small cakes.  
180 g margarine  
180 g sugar  
200 g plain flour  
1 teaspoon baking powder  
2 eggs

Aqdas is going to make 24 of the small cakes.  
(a) Work out how much margarine he needs.

(2 marks)

Ahmed is going to make 18 of the small cakes.  
(b) Work out how much flour he needs.

(2 marks)

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13. Here are the ingredients needed to make 16 gingerbread men.

180 g flour

40 g ginger

110 g butter

30 g sugar

Cas wants to make 40 gingerbread men.

Work out how much of each of the ingredients she needs.

(3 marks)

14. 350g of flour is needed to make 18 mince pies.

Priya has 875g of flour.

Does Priya have enough flour to make 45 mince pies?

You must show clearly how you got your answer.

(4 marks)

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15. This is a list of ingredients for making an apple & peanut crumble for 4 people.

60 g plain flour

40 g ground peanuts

90 g soft brown sugar

60 g butter

4 apples

Micheal wants to make an apple & peanut crumble for 10 people.

Here is a list of the amount of each ingredient Micheal has in his cupboard.

350 g plain flour

100 g ground peanuts

200g soft brown sugar

150 g butter

6 apples

Work out which ingredients Micheal needs to buy more of.

You must show all of your working.

(4 marks)