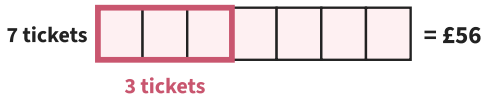
Direct proportion

1

7 cinema tickets cost £56.
How much do 3 tickets cost?



Find one £56 ÷ 7 = ☐

Scale 3 × ☐ = ☐

Answer _____

2

8 candles cost £6. How much do 5 candles cost?



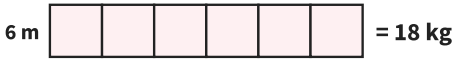
Find one ☐ ÷ ☐ = ☐

Scale ☐ × ☐ = ☐

Answer _____

3

A 6 m length of copper pipe weighs 18 kg. How much does a 10 m length of the same pipe weigh?



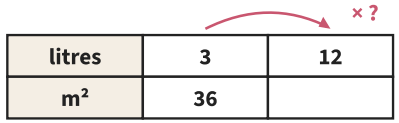
Find one _____

Scale _____

Answer _____

4

3 litres of paint cover 36 m² of wall.
How much wall do 12 litres cover?



Multiplier 12 ÷ 3 = ☐

Scale 36 × ☐ = ☐

Answer _____

5

A recipe for 6 muffins uses 150 g of flour, 90 g of sugar and 120 ml of milk. Work out the amounts for 10 muffins.

Answer _____

6

A 75 ml tube of toothpaste costs £1.20. A 125 ml tube costs £1.90. Which tube is better value? Show your working.

Answer _____

7

A curry for 4 people uses 6 tomatoes and 400 ml of milk. For 10 people, Ruby adds 6 to each: 12 tomatoes, 406 ml. Explain her mistake and find the right amounts.

Answer _____

8

10 biscuits need 120 g of flour, 60 g of butter and 40 g of sugar.
Nina has 300 g of flour, 180 g of butter and 80 g of sugar. What is the greatest number of biscuits she can make?

Answer _____

Direct proportion *further practice*

9

12 bread rolls cost £3.84. How much do 5 rolls cost?

Answer _____

10

9 m of fabric costs £31.50.
How many metres can you buy for £14?

Answer _____

11

Washing up liquid comes in three sizes: 450 ml for £1.35, 900 ml for £2.52 and 1.2 litres for £3.48. Which size is the best value?

Answer _____

12

Gel pens come in a pack of 5 for £2.40 or a pack of 8 for £3.60. Which pack is better value? Show how you know.

Answer _____

13

A chilli for 6 people uses 450 g of beans. Sam has 1.2 kg of beans.
How many people can he make chilli for?

Answer _____

14

A recipe for 8 flapjacks uses 90 g of oats, 40 g of syrup and 20 g of butter.
Ella has 360 g of oats, 150 g of syrup and 100 g of butter. What is the greatest number of flapjacks she can make?

Answer _____

15

A car uses 6 litres of fuel to travel 80 km. The fuel used is in direct proportion to the distance. How far can it travel on 15 litres?

Answer _____

16

A taxi costs £7.50 for 3 miles and £13.50 for 6 miles. Ali says the cost is in direct proportion to the distance. Is he right? Explain how you know.

Answer _____