

GCSE - Ratio and proportion overview

Simplify the ratios below

6:4	14:7	15:3	2:10
8:24	9:18	9:3	4:12
6:4:2	3:12	8:32	1000:2000

When answering the questions below you must give your answers in the correct units!

Share £12 in a ratio of 2:1
10 pens cost 60p. How much will 4 cost?
Bob drives 3 miles in 15 minutes. How long will it take him to do 9 miles?
Rice costs £1.50 per kilogram. How much would it be for (i) 500g (ii) 1.5kg (iii) 3kg
Split 18kg of sand in a ratio of 5:1
Share £24 in the ratio 5:2:1
Bob can build 4 walls in 8 days. How long will it take him to build 5?
5 miles = 8km. (i) How many km is 15 miles? (ii) How many miles is 12km?
Divide 30kg of sugar in a ratio of 1:2
Split £55 in the ratio 8:2:1
14 sweets cost 42p. Find the cost of 8 sweets?
6 men share £42 equally. How much do they get each?
Simplify the ratio 15:9:3
Find 2/5 of £20
Split £60 in the ratio 3:2:1
Bob can run 2 laps ins 3 minutes. How long will it take him to run 7 laps?
Divide \$15 in the ratio 2:3
Simplify the ratio 4:50
8 meals cost a total of £48. How much would 5 cost?
Divide 16 hours in the ratio 3:2:2:1
18 pens cost £1.80. Find the cost of 19 pens
The following ingredients make 12 cookies
Sugar 200g
Flour 300g
Eggs 4
Butter 120g
Work out how much of each ingredient you would need for (i) 6 cookies (ii) 24 cookies (iii) 18 cookies
2 litres of water cost 50p. Work out the cost of 3 litres.
A clock loses 3 minutes every hour. Work out how many minutes if will lose in (i) 3 hours (i) 30 minutes (iii) a week
Share 56 biscuits in a ration of 3:2:1:1
It costs £9 for 6 people to go to a museum. Find the cost for (i) 4 people to go (ii) 5 people to go.
Simplify the ratio 5000:3000:2000:1000

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