

Examples:

1) Share £20 in the ratio 1 : 3.

Total number of shares = $1 + 3 = 4$ shares.

1 Share = $£20 \div 4 = £5$

3 Shares = $3 \times £5 = £15$

£5 : £15

2) Share 32 litres in the ratio 1 : 2 : 5

Total number of shares = $1 + 2 + 5 = 8$ shares.

1 Share = $32 \text{ litres} \div 8 = 4 \text{ litres}$.

2 Shares = $2 \times 4 \text{ litres} = 8 \text{ litres}$

5 Shares = $5 \times 4 \text{ litres} = 20 \text{ litres}$

4 litres : 8 litres : 20 litres

Exercise: Give each ratio in its simplest form.

1. Share £15 in the ratio 1 : 4.

8. Share 48 cm in the ratio 3 : 5.

2. Share £30 in the ratio 1 : 2.

9. Share £9.60 in the ratio 1 : 5.

3. Share 16 kg in the ratio 1 : 3.

10. Share £90 in the ratio 1 : 2 : 3.

4. Share 45 cm in the ratio 2 : 3.

11. Share 28 cm in the ratio 1 : 2 : 4.

5. Share 70 g in the ratio 3 : 4.

12. Share 80 mm in the ratio 2 : 3 : 5.

6. Share 180 kg in the ratio 4 : 5.

13. Share 130 g in the ratio 2 : 5 : 6.

7. Share 220 litres in the ratio 4 : 7.

14. Share 90 km in the ratio 4 : 5 : 6.