

**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. **£3 : £12**
2. Share £30 in the ratio 1 : 2. **£10 : £20**
3. Share 16 kg in the ratio 1 : 3. **4 kg : 12 kg**
4. Share 45 cm in the ratio 2 : 3. **18 cm : 27 cm**
5. Share 70 g in the ratio 3 : 4. **30 g : 40 g**
6. Share 180 kg in the ratio 4 : 5. **80kg : 100 kg**
7. Share €220 in the ratio 4 : 7. **€80 : €140**
8. Share 48 cm in the ratio 3 : 5. **18 cm : 30 cm**
9. Share 96 g in the ratio 1 : 5. **16 g : 80 g**
10. Share £90 in the ratio 1 : 2 : 3 **£15 : £30 : £45**
11. Share €28 in the ratio 1 : 2 : 4. **€4 : €8 : €16**
12. Share £80 in the ratio 2 : 3 : 5 **£16 : £24 : £40**
13. Share 52 g in the ratio 2 : 5 : 6. **8g : 20g : 24g**
14. Share €90 in the ratio 1 : 5 : 4. **€9 : €45 : €36**