



Finding Parts and Totals

1. If 1 part is worth 10, what are 10 parts worth?
2. If 3 parts are worth 90, what is 1 part worth?
3. If 2 parts are worth 30, what are 5 parts worth?
4. If 4 parts are worth 200, what are 3 parts worth?
5. If 7 parts are worth 38.5, what are 11 parts worth?
6. If 5 parts are worth £800, what are 12 parts worth?
7. Dave and Jonti share some money in the ratio 2:3. Dave has £40. How much does Jonti have?
8. Kacey and Kelvin share some money in the ratio 4:5. Kelvin has £80. How much money do they share?
9. Kamal spends his time after school doing homework, socialising with his friends and playing football in the ratio 2:3:1. If homework takes one hour, how much time does he spend on socialising and playing football?
10. Mr Brown and his child Sam share some milk in the ratio 4:5. Mr Brown gets 500ml of milk. How much milk do they share? Give your answer in litres.



Finding Parts and Totals **Answers**

1. If 1 part is worth 10, what are 10 parts worth?

$$10 \times 10 = 100$$

2. If 3 parts are worth 90, what is 1 part worth?

$$90 \div 3 = 30$$

3. If 2 parts are worth 30, what are 5 parts worth?

$$30 \div 2 = 15$$

$$15 \times 5 = 75$$

4. If 4 parts are worth 200, what are 3 parts worth?

$$200 \div 4 = 50$$

$$50 \times 3 = 150$$

5. If 7 parts are worth 38.5, what are 11 parts worth?

$$38.5 \div 7 = 5.5$$

$$5.5 \times 11 = 60.5$$

6. If 5 parts are worth £800, what are 12 parts worth?

$$800 \div 5 = \text{£}160$$

$$160 \times 12 = \text{£}1920$$

7. Dave and Jonti share some money in the ratio 2:3. Dave has £40. How much does Jonti have?

$$40 \div 2 = \text{£}20$$

$$20 \times 3 = \text{£}60$$

8. Kacey and Kelvin share some money in the ratio 4:5. Kelvin has £80. How much money do they share?

$$80 \div 5 = \text{£}16$$

$$16 \times 4 = \text{£}64$$

$$80 + 64 = \text{£}144$$

9. Kamal spends his time after school doing homework, socialising with his friends and playing football in the ratio 2:3:1. If homework takes one hour, how much time does he spend on socialising and playing football?

$$1 \div 2 = 0.5 \text{ hours}$$

$$\text{Socialising} = 0.5 \times 3 = 1.5 \text{ hours or } 90 \text{ minutes}$$

$$\text{Playing football} = 0.5 \times 1 = 0.5 \text{ hours or } 30 \text{ minutes}$$

10. Mr Brown and his child Sam share some milk in the ratio 4:5. Mr Brown gets 500ml of milk. How much milk do they share? Give your answer in litres.

$$500 \div 4 = 125\text{ml}$$

$$125 \times 5 = 625\text{ml}$$

$$500 + 625 = 1125\text{ml}$$

$$1125 \div 1000 = 1.125\text{l}$$