

1

Davina mixed some orange paint.

For every 5 litres of orange paint, she used 3 litres of red paint.

Davina used 12 litres of red paint.

How many litres of orange paint did Davina make?

$$12 \div 3 = 4$$

$$5 \times 4 = 20$$

20 litres

1 mark

2

Theon and Edison share some sweets.

For every 3 sweets Theon gets, Edison gets 2 sweets. $3 + 2 = 5$

There are 45 sweets in total.

How many sweets does Edison get?

$$45 \div 5 = 9$$

$$2 \times 9 = 18$$

18 sweets

1 mark

3

Andy and Jamie share some money.

For every £5 Andy gets, Jamie gets £2. $5 + 2 = 7$

They share £49 in total.

How much does Jamie get?

$$49 \div 7 = 7$$

$$2 \times 7 = 14$$

£ 14

1 mark

4

There are red marbles and blue marbles in a bag.

For every 3 red marbles there are 2 blue marbles.

There are 12 blue marbles in the bag.

How many red marbles are in the bag?

$$12 \div 2 = 6$$

$$3 \times 6 = 18$$

18 marbles

1 mark

5

Dave plays some games of Tennis.

The number of games Dave wins to the number of games Dave loses are in the ratio 4:3

Dave wins 24 games.

How many games did Dave play in total?

$$24 \div 4 = 6$$

$$6 \times 7 = 42$$

42 games

1 mark

6Poppy and Summer share some chocolates in the ratio 4:5 $4 + 5 = 9$

They share a total of 27 chocolates.

How many chocolates does Poppy get?

$$27 \div 9 = 3$$

$$4 \times 3 = 12$$

12 chocolates

1 mark

7

Alexander and Saj share some money on the ratio 3:5

Alexander gets £36

How much does Saj get?

$$36 \div 3 = 12$$

$$5 \times 12 = 60$$

£ 60

1 mark

8

The number of red counters and blue counters in a bag is in the ratio 2:1

There are a total of 60 counters in the bag.

$$2 + 1 = 3$$

How many red counters are in the bag?

$$60 \div 3 = 20$$

$$2 \times 20 =$$

40 counters

1 mark

How many blue counters are in the bag?

$$1 \times 20 =$$

20 counters

1 mark