



- 1 Write down 50% of £86

(1 mark)

50% is one half

Half of 86 is 43, so the answer is 43 pounds

£43

- 2 Work out 50% of £84

(1 mark)

50% = half

$$84 \div 2 = 42$$

£42

- 3 Work out 15% of £60

(2 marks)

10% of 60 is 6

5% is half of 10%, so 5% of 60 is 3

$$15\% = 10\% + 5\% = 6 + 3 = 9 \text{ pounds}$$

£9

- 4 Work out 10% of £260

(1 mark)

$$10\% = \div 10$$

$$260 \div 10 = 26$$

£26

- 5 Work out 25% of 240 kg

(1 mark)

$$50\% = 240 \div 2 = 120$$

$$25\% = 120 \div 2 = 60$$

60 kg

6 Work out 30% of 450

(2 marks)

$$10\% = 450 \div 10 = 45$$

$$30\% = 3 \times 45 = 135$$

135

7 Work out 5% of £360

(2 marks)

$$10\% = 36$$

$$5\% = 36 \div 2 = 18$$

£18

8 A jacket costs £84. In a sale, 25% is taken off the price.

Work out the sale price of the jacket.

(3 marks)

$$25\% = \text{a quarter}$$

$$84 \div 4 = 21$$

$$84 - 21 = 63$$

£63

9 A school has 400 pupils. 25% of them walk to school and 10% cycle.

- How many pupils walk to school?
- How many pupils cycle?
- How many pupils neither walk nor cycle?

(3 marks)

a)

$$400 \div 4 = 100$$

100

b)

$$400 \div 10 = 40$$

40

c)

$$100 + 40 = 140$$

$$400 - 140 = 260$$

260

10 A phone case costs £14.50. Tom gets 10% off.

- Work out the discount.
- Work out the price Tom pays.

(2 marks)

a)

$$14.50 \div 10 = 1.45$$

£1.45

b)

$$14.50 - 1.45 = 13.05$$

£13.05

11 Mia has 2 hours to do her homework. She spends 50% of the time on maths and $\frac{1}{4}$ of the time on English. She spends the rest of the time on science.

How many minutes does she spend on science?

(3 marks)

$$2 \text{ hours} = 120 \text{ minutes}$$

$$\text{Maths: } 120 \div 2 = 60$$

$$\text{English: } 120 \div 4 = 30$$

$$120 - 60 - 30 = 30$$

30 minutes