

## Percentages Exam Practice



Q1. Find 15% of £600

Answer: £90  
(2 marks)

Q2. Find 7% of £350

Answer: £24.50  
(2 marks)

Q3. Find 2.5% of 1700

Answer: £42.50  
(2 marks)



Q4. Find 3.2% of £6500

Answer: £208  
(2 marks)

Q5. Find 4% of 5 kg, giving your answer in grams.

$$4\% \text{ of } 5000 \text{ g} = 200 \text{ g}$$

Answer: 200g  
(2 marks)

Q6. Find 22% of 4.5 litres, giving your answer in millilitres

$$22\% \text{ of } 4500 \text{ ml}$$

Answer: 990 ml  
(2 marks)



Q7. Find 0.1% of 25 metres, giving your answer in cm.

$$0.1\% \text{ of } 2500 \text{ cm} = 2.5 \text{ cm}$$

Answer: 2.5 cm  
(2 marks)

Q8. Increase 30 cm by 18%.

$$18\% \text{ of } 30 = 5.4$$

$$30 + 5.4 = 35.4 \text{ cm}$$

Answer: 35.4 cm  
(3 marks)



### Problem Questions:

Q9. Kim has paid 5% of the cost of a new car as a deposit.

(i) Given that she has paid £400, work out the actual price of the car.

$$5\% = £400$$

$$1\% = £80$$

$$\Rightarrow 100\% = £8000$$

Answer: £8000  
(2 marks)

(ii) Kim plans to pay off the remaining cost in equal monthly amounts.  
Work out how much she will be paying each month.

$$£8000 - 400 = £7600$$

$$£7600 \div 12 = £633.33$$

Answer: £633.33  
(1 mark)





Q10. Mark has taken two tests in French, a reading test, which was out of a total of 60 marks, and a speaking test. In the reading test, he scored 24 marks, whilst in the speaking test, he scored 45%. In which test did he perform the best?

$$\text{Reading: } \frac{24}{60} \times 100 = \frac{4}{10} \times 100 = 40\%$$

Speaking is 45%,  $\therefore$  he did best in speaking

Answer: Speaking  
(2 marks)

Q11. Emily earns £42,000 per year. She is going to get a 3% increase in the amount of money she is paid. Work out how much money Emily will be paid per year after the increase.

$$3\% \text{ of } £42,000 = £1260$$

$$\text{New salary} = £43,260$$

Answer: £43,260  
(3 marks)



Q12. In year 7 at a school, 264 of the pupils are girls. 25% of the pupils are boys. Work out the total number of pupils in year 7.

75% of the pupils are girls (100% - 25%)

75% of the year 7 pupils is 264

→ 25% of the pupils (boys) is  $264 \div 3 = 88$

∴ total = boys + girls

$$= 88 + 264$$

$$= 352$$

Answer: 352

(3 marks)

Q13. Abbie buys a sofa for £540 She pays a deposit of 15% and the rest of the money in monthly payments of £17. How many monthly payments will Abbie need to pay?

• 15% of £540 = 81

• £540 - 81 = £459

• £459 ÷ 17 = 27 months

Answer: 27 months

(3 marks)





Q14. Darren buys a TV in a sale. The normal price of the TV has been reduced by 35%. Given that the normal price is £175, work out the sale price of the TV.

- $35\% \text{ of } £175 = £61.25$
- $\text{Sale price} = £175 - £61.25$   
 $= £113.75$

Answer: £113.75  
(3 marks)

Q15. Harry invests £4300 in a bank which offers 2% simple interest each year. Work out the total amount of interest he will have received after 3 years.

- $2\% \text{ of } 4300 = £86 \text{ per year.}$
- $\text{Total interest} = £86 \times 3$   
 $= £258$

Answer: £258  
(3 marks)



Q16. A new, limited edition chocolate bar has been increased in size:



Ben, who regularly buys these bars, knows that they usually contain 60g of chocolate. He says, “the new bar will contain 180g!”  
Do you agree? You must explain your reasoning.

$$100\% = 60g$$

$$200\% = 120g$$

$$60g + 120g = 180g \Rightarrow \text{Ben is correct.}$$

↑  
extra free, see the picture

Answer: Correct  
(2 marks)