

GCSE Predicted Topic Questions

Express a percentage as a number

Example 1 Work out 10% of 55

$$10\% \text{ of } 55 = \frac{55}{10}$$

$$= 5.5 \text{ (decimal)}$$

Example 2 Workout 254% Of 120

$$100\% = 120$$

$$120 \times 2 = 240 \text{ (200\%)}$$

$$\frac{120}{2} = 60 \text{ (50\%)}$$

$$\frac{120}{100} = 1.2 \text{ (1\%)}$$

$$1.2 \times 4 = 4.8 \text{ (4\%)}$$

$$\text{Finally, } 254\% = 304.8 \text{ (after adding } 200\% + 50\% + 4\%)$$

Example 3 Express 88% as a fraction

$$88\% = \frac{88}{100}$$

$$= \frac{22}{25} \text{ (reduced to lowest term)}$$

GCSE Predicted Topic Questions

1 Work out 10% of 75

(Total for question 1 is 1 mark)

2 Work out 1% of 300 litres

----- litres
(Total for question 2 is 1 mark)

3 Work out 50% of 1400 grams

----- grams
(Total for question 3 is 1 mark)

4 Find 45% of £620

----- £
(Total for question 4 is 2 marks)

5 Find 21% of 270

(Total for question 5 is 2 marks)

6 Find 36% of 1500

(Total for question 6 is 2 marks)

GCSE Predicted Topic Questions

- 7 A class has 40 students. Given that 75% of them passed a Mathematics test, calculate the number of students who failed the test.

%

(Total for question 7 is 2 marks)

- 8 Abbie is paid £ 34000 per year, He is going to get a 5% increase in the amount of money he is paid. Work out how much money Abbie will be paid per year after the increase.

£

(Total for question 8 is 2 marks)

- 9 Zoe buys a dress in a sale. The normal price of the dress is reduced by 30%. The normal price is £46.80 Work out the sale price of the dress.

£

(Total for question 9 is 2 marks)

GCSE Predicted Topic Questions

- 10 There are 90 teachers in a school, of which 40 are male. Calculate the percentage of
(i) male teachers (ii) female teachers
in the school.

(i) _____ (ii) _____

(Total for question 10 is 2 marks)

- 11 Here is information about two investments.
Investment A Invest £ 2200 for 3 year and get £8 each month.
Investment B Invest £ 2200 for 3 year at a rate of 3.5% per year simple interest.
Which is the better investment?

(Total for question 11 is 3 marks)

- 12 Richard bakes 320 cakes.
He bakes only vanilla cakes, banana cakes and lemon cakes.
120 of the cakes are vanilla cakes.
25% of the cakes are banana cakes.
work out the number of lemon cakes
Richard bakes.

(Total for question 12 is 3 marks)

GCSE Predicted Topic Questions

- 13 Amelia gets a bonus of 30% of £ 120
Sophie gets a bonus of £ 60
Work out the difference between the bonus
Amelia gets and the bonus Sophie gets.

£

(Total for question 13 is 3 marks)

- 14 Which is greater
25% of 80 or 30% of 105

You must show your working.

(Total for question 14 is 3 marks)

- 15 Which is greater
32% of 98 or 25% of 90

You must show your working.

(Total for question 15 is 3 marks)