

Percentage Change

For AQA GCSE Mathematics (8300) • Foundation tier

Name _____

Total marks: **29**

Answer **all** questions in the spaces provided. Show your working: marks are given for correct method.

- 1** A farmer has 48 sheep and 12 goats.

What percentage of the animals are goats?

[2 marks]

Answer _____ %

- 2** Which percentage is closest in value to $\frac{1}{6}$?
Circle your answer.

[1 mark]

6%

16%

17%

60%

- 3** From 2023 to 2024, the number of members of a running club **trebled**.
Write down the percentage increase in the number of members.

[1 mark]

Answer _____ %

- 4** Work out the percentage increase from 60 to 195

[3 marks]

Answer _____ %

- 5** The price of a phone falls from £450 to £378
Work out the percentage decrease.

[3 marks]

Answer _____ %

- 6** A furniture shop buys a sofa for £350
The shop sells the sofa for £469
Work out the percentage profit.

[3 marks]

Answer _____ %

- 7 a is 40% less than b .
Which statement is correct?
Tick one box.

[1 mark]

- ☐ a is 40% of b
☐ a is 60% of b
☐ b is 140% of a
☐ b is 60% of a

- 8 A car dealer has 200 cars for sale.
45% of the cars are electric.
The dealer sells 30 of the electric cars and 10 of the other cars.
What percentage of the cars left are electric?

[4 marks]

Answer _____ %

- 9 A café has a target that at least 60% of its customers each day buy a drink.
On one day
150 customers came in the morning and 52% of them bought a drink
90 customers came in the afternoon and 70% of them bought a drink.

Does the café meet its target on this day?
You must show your working.

[4 marks]

☐ Yes

☐ No

- 10 A gym had 1250 members in January.
By June, it had 1080 members.
The manager says,
“The number of members has fallen by more than 15%.”

Is the manager correct?
You must show your working.

[3 marks]

☐ Yes

☐ No

- 11** A bakery sells bread in its shop and online.

	Sales in March	Change from March to April
In the shop	£8000	10% decrease
Online	£2000	35% increase

Work out the percentage change in the total sales from March to April.
State whether it is an increase or a decrease.

[4 marks]

Answer _____