

Percentage Change

For Pearson Edexcel GCSE Mathematics (1MA1) • Foundation tier

Name _____

Total marks: **28**

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

- 1** Write 0.58 as a percentage.

..... %

(1)

(Total for Question 1 is 1 mark)

- 2** Write $\frac{7}{20}$ as a percentage.

..... %

(1)

(Total for Question 2 is 1 mark)

- 3** There are 40 students in a class.
14 of the students walk to school.
What percentage of the students walk to school?

..... %

(2)

(Total for Question 3 is 2 marks)

- 4** A train fare increased from £32 to £36
Work out the percentage increase.

..... %
(2)

(Total for Question 4 is 2 marks)

- 5** The value of a car falls from £18 000 to £13 950
Work out the percentage decrease in the value of the car.

..... %
(3)

(Total for Question 5 is 3 marks)

- 6** A football team played 25 matches.
It won 17 of these matches.
The manager's target was for the team to win at least 65% of its matches.
Show that the team met the manager's target.

(2)
(Total for Question 6 is 2 marks)

- 7** A garden centre has 400 plants for sale.
130 of the plants are roses.
90 of the plants are tulips.
The rest of the plants are lilies or daisies.
There are twice as many lilies as daisies.

What percentage of the plants are daisies?

..... %
(3)

(Total for Question 7 is 3 marks)

- 8** A photo is 15 cm long and 10 cm wide.
The photo is enlarged. Its length and its width both increase by 20%.
Work out the percentage increase in the area of the photo.

..... %
(2)

(Total for Question 8 is 2 marks)

- 9** Leo buys 5 boxes of pens.
Each box contains 24 pens and costs £9.60
Leo sells all the pens for 55p each.

Work out Leo's percentage profit.

..... %
(3)

(Total for Question 9 is 3 marks)

- 10** A hockey club had 250 members in 2024.
40% of these members were juniors.
In 2025, the club had 280 members.
45% of these members were juniors.

Work out the percentage increase in the number of junior members from 2024 to 2025.
You must show all your working.

..... %
(4)

(Total for Question 10 is 4 marks)

- 11** A shop buys 60 hoodies for £12.50 each.
It sells 40 of the hoodies for £20 each.
It sells the rest of the hoodies in a sale at 30% off the price of £20

Work out the shop's percentage profit on the hoodies.

..... %
(5)

(Total for Question 11 is 5 marks)
