

Reverse Percentages

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

Name _____

Total marks: **24**

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

- 1** Liam's monthly rent went up by 8%
His rent went up by £56 a month.
What was Liam's monthly rent before it went up?

£
(2)

(Total for Question 1 is 2 marks)

- 2** A bike shop takes 40% off the price of every bike.
Nadia pays £162 for a bike.
How much did the bike cost before the 40% was taken off?

£
(3)

(Total for Question 2 is 3 marks)

- 3** This year there are 690 students in a school.
This is 15% more than last year.
How many students were in the school last year?

.....
(2)

(Total for Question 3 is 2 marks)

- 4** The average attendance at a football club's home matches fell by 8%
The average attendance is now 23 000
Work out the average attendance before the fall.

.....
(2)

(Total for Question 4 is 2 marks)

- 5** Jo's weight decreased by 6%
Her weight is now 70.5 kg.
Work out her weight before the decrease.

..... kg
(3)

(Total for Question 5 is 3 marks)

- 6** Toby invests some money in a savings account.
After one year, 3.5% interest is added.
He now has £2587.50 in the account.

How much money did Toby invest?

£
(3)

(Total for Question 6 is 3 marks)

- 7** A shop sells chairs for £67.50 each.
The shop makes a profit of 35% on the price it paid for each chair.

Work out how much the shop paid for each chair.

£
(3)

(Total for Question 7 is 3 marks)

- 8 A plumber sends Mrs Okafor a bill for parts and labour.
VAT at 20% is added to the total cost of the parts and labour.
The bill including VAT is £378
The cost of the labour before VAT was £150
Work out the cost of the parts before VAT was added.

£
(3)

(Total for Question 8 is 3 marks)

- 9 In a sale, all normal prices are reduced by 20%
Sam buys a coat and a dress in the sale.
The sale price of the coat is £64
The sale price of the dress is £48
How much money did Sam save by buying the coat and the dress in the sale?

£
(3)

(Total for Question 9 is 3 marks)
