



Name: _____ **Date:** _____ **Score:** _____ / 41

- 1** A pair of trainers costs £60.

In a sale the price is decreased by 20%.

Work out the sale price. You may use the multiplier 0.8

(2 marks)

Answer _____

- 2** The value of a van is multiplied by 0.88 each year.

Write down the percentage decrease in the value of the van each year.

(1 mark)

Answer _____

- 3** A coat was £80. In a sale its price is £68.

Work out the percentage reduction in the price.

(3 marks)

Answer _____

- 4** Dan says, "The multiplier for an 8% increase is 0.08."

Dan is wrong.

a. Write down the correct multiplier for an 8% increase.

b. Write down the multiplier for an 8% decrease.

(2 marks)

Answer _____

- 5 Last year a rail season ticket cost £640.
This year the same season ticket costs £688.
Work out the percentage increase in the cost of the season ticket.

(3 marks)

Answer _____

- 6 A park had 250 visitors in May and 310 visitors in June.
Work out the percentage increase in the number of visitors.

(3 marks)

Answer _____

- 7 Ben's rent is £240 each week.
His rent is increased by 35%.
Work out Ben's new weekly rent.

(3 marks)

Answer _____

- 8 Jo says, "A reduction of 20% followed by a further reduction of 10% is the same as a single reduction of 30%."
Is Jo correct? You must show your working.

(3 marks)

Answer _____

- 9 The population of a village is 5000.
It increases by 10% in one year. The next year it decreases by 10%.
Gina says the population is now back to 5000. Is she right? Show how you decide.

(3 marks)

Answer _____

- 10** Ben's monthly electricity bill was £96. It went up by 15%.
Ben's monthly broadband bill was £30. It went up by 40%.
Ben says, "My broadband bill went up by more money than my electricity bill."
Is Ben correct? You must show your working.

(4 marks)

Answer _____

- 11** The membership of running club A increased from 1500 to 1725.
The membership of running club B increased from 2400 to 2700.
Cam says, "Club B had the greater percentage increase because its membership went up by more people."
Show that Cam is wrong.

(4 marks)

Answer _____

- 12** A jacket costs £220.
In a sale the price is reduced by $\frac{1}{4}$. At the end of the sale the new price is then reduced by a further 20%.
Mia has £130.
Does she have enough money to buy the jacket at the final price? You must show your working.

(4 marks)

Answer _____

13

A shop's takings in 2025 were 15% less than its takings in 2024

The shop's takings in 2025 were £61,200

- a. Work out the shop's takings in 2024
- b. In 2024, the manager was paid a bonus of 2.5% of the 2024 takings.
Work out the manager's bonus for 2024

(6 marks)

Answer

End of questions | Total 41 marks