

Percentages

Question Paper

Level	OCR
Subject	Maths
Exam Board	GCSE (9-1)
Topic	Ratio, Proportion and Rates of Change
Sub Topic	Percentages
Grade Level	Grade 3
Booklet	Question Paper

Time Allowed: 32 minutes

Score: /26

Percentage: /100

- 1 Elaine's pension increased by 2% to £1887.

What was Elaine's pension before the increase?

£ _____ [3]

2 (a) At the supermarket, Sue bought 2.4 kg of apples and 1.9 kg of oranges.

She paid for these with a £20 note and received £12.66 change.

Given that the apples cost £1.95 per kilogram, work out the cost per kilogram of the oranges.

(a) £ per kilogram **[3]**

(b) In a survey of 209 people at the supermarket, 83% said that the fruit being sold was of excellent quality.

How many of the 209 people could have said that the fruit was of excellent quality?

(b) **[3]**

- 3** One year, a furniture store spent £15 000 on advertising.
This was a 20% increase on the amount spent in the previous year.

How much was spent on advertising in the previous year?

£ [3]

- 4 In a sale, the price of all clothes is reduced by 15% and the price of all electrical goods is reduced by 20%.
Rajesh makes a mistake and reduces the price of a coat by 20% instead of by 15%.
This gives a sale price of £104 for the coat.

Calculate the correct sale price of the coat.
Show all your working clearly.

£ _____ [6]

- 5** Last year, one week's holiday in Spain cost £660.
This year, the cost has increased by 15%.

Calculate the cost of the holiday this year.

£ _____ [3]

- 6** Ken has £4000 to invest.
He decides to invest it for 3 years at a rate of 5% per year.

How much more interest will he earn if he invests it at Compound Interest rather than Simple Interest?

£ _____ [5]