Percentages

Question Paper 2

Level	IGCSE
Subject	Maths
Exam Board	Edexcel
Topic	Number and Algebra
Sub Topic	Percentages
Booklet	Question Paper 2

Time Allowed: 58 minutes

Score: /48

Percentage: /100

Grade Boundaries:

A*	A	B	C	D	E	U
>85%	75%	70%	60%	55%	50%	<50%

1 Jomo invested an amount of money at 4% per annum **compound interest**.
At the end of 2 years, the value of his investment was £3380

How much of the £3380 was interest?

£...........................

(Total for Question 1 is 4 marks)

2 (a) Dilip buys a painting for $ 675
Later, he sells it and makes a percentage profit of 12%.

Work out the price for which Dilip sells the painting.

$ ....

(3)

(b) Renuka sells her car.
She makes a loss of $ 2162
Her percentage loss is 23%.

Work out the price for which Renuka sells her car.

$ ....

(3)

(c) Lin bought a computer that had a value of $ 1500
At the end of each year, the value of her computer had depreciated by 40% of its value at the start of that year.

Calculate the value of her computer at the end of 3 years.

$ ....

(3)

(Total for Question 2 is 9 marks)

3 (a) Helen's savings increased from £155 to £167.40

Work out the percentage increase in Helen's savings.

.... %

(3)

(b) Joe's savings increased by 4.5%.
His savings are now £125.40

What were his savings before the increase?

£..................................

(3)

(Total for Question 3 is 6 marks)

4   The table gives some information about the average price of a litre of petrol in England.

	January 2007	**January 2012**
Average price of a litre of petrol (pence)	87.3	133.3

(a)   Work out the percentage increase in the average price of a litre of petrol in England between January 2007 and January 2012.
Give your answer correct to 3 significant figures.

.... %

(3)

The average price of a litre of petrol in England increased by 20% from January 2010 to January 2012.

(b) Work out the average price of a litre of petrol in England in January 2010.
    Give your answer in pence, correct to 1 decimal place.

.... pence

(3)

(Total for Question 4 is 6 marks)

5   In a sale, all normal prices are reduced by 15%.

(a) The normal price of a washing machine is 270 dollars.
      Work out the sale price of the washing machine.

.... dollars

(3)

(b) The normal price of a food processor is reduced by 13.50 dollars.
      Work out the normal price of the food processor.

.... dollars

(3)

(Total for Question 5 is 6 marks)

6 Kim bought 12 boxes of drinks.
He paid $15 for each box.
There were 12 drinks in each box.

Kim sold $\frac{3}{4}$ of the drinks for $1.50 each.

He sold all of the other drinks at a reduced price.

He made an overall profit of 15%.

Work out how much Kim sold each reduced price drink for.

$ ....

(Total for Question 6 is 5 marks)

7 Eloy's height was 125 cm when his age was 7 years.
His height was 153 cm when his age was 12 years.

(a) Work out the percentage increase in Eloy's height between the ages of 7 and 12 years.

....%

(3)

Eloy's height at the age of 12 years was 85% of his height at the age of 20 years.

(b) Work out Eloy's height when his age was 20 years.

.... cm

(3)

(Total for Question 7 is 6 marks)

8   Lisa sees a dress in a sale.
The normal price of the dress is $45
The price of the dress is reduced by 12% in the sale.

(a) Work out the price of the dress in the sale.

$ ....
(3)

Lisa's weekly pay increases from $525 to $546

(b) Calculate her percentage pay increase.

.... %
(3)

(Total for Question 8 is 6 marks)