

# Percentage of Amount & Percentage Change

Please write clearly in block capitals

Forename:

Surname:

## Materials

For this paper you must have:

- mathematical instruments



You must **not** use a calculator.

## Instructions

- Use black ink or black ball-point pen. Draw diagrams in pencil.
- Fill in the boxes at the top of this page.
- Answer all questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

## Information

- The marks for questions are shown in brackets.
- You may ask for graph paper, tracing paper and more answer paper. These must be tagged securely to this answer book.

## Advice

- In all calculations, show clearly how you work out your answer.

**1** Find the percentages of the following:

*(Level 3)*

**1(a)** 40% of 120

**[1 mark]**

Answer \_\_\_\_\_

**1(b)** 80% of 800

**[1 mark]**

Answer \_\_\_\_\_

**1(c)** 70% of 230

**[1 mark]**

Answer \_\_\_\_\_

**1(d)** 99% of 130

**[1 mark]**

Answer \_\_\_\_\_

**1(e)** 28% of 900

**[1 mark]**

Answer \_\_\_\_\_

**Turn over for next question**

Turn over ►

- 2** Tommy went to the shop where there was a 20% off sale taking place (Level 4)  
The shirt he wanted to buy was originally £20  
How much money does he save in the sale?

[2 marks]

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Answer: £ \_\_\_\_\_

- 3** A bike costs £350 but is reduced by 35% (Level 4)  
What does the bike cost after the reduction?

[2 marks]

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Answer: £ \_\_\_\_\_

- 4** In school of 600 pupils, 64% walk to school regularly. (Level 4)  
How many pupils walk to school regularly?

[2 marks]

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Answer \_\_\_\_\_

**Turn over for next question**

- 5** Tommy buys a rare painting for £3200. (Level 5)  
 He eventually sells it for £3800.  
 Work out the percentage increase in value of the painting

[2 marks]

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Answer: \_\_\_\_\_ %

- 6** Jane fills her empty car with 12 litres of petrol (Level 5)  
 After driving for the day the car now has 7.5 litres of petrol in the tank.  
 Calculate the percentage decrease of petrol in the car.

[2 marks]

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Answer: \_\_\_\_\_ %

- 7** A speed boat travels from A to B for the first part of a journey and then B to C to complete a journey. (Level 6)  
 For the entire journey, A to C, the boat travels at an average speed of 21 kmph.  
 During the journey, from B to C, the boat only travels at a speed of 13 kmph.  
 Calculate the percentage decrease in average speed between the first and second part of the journey, given that the distance off each part is equal.

[3 marks]

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Answer \_\_\_\_\_ %

**End of questions**