

For the non-calculator questions: "12.5%" seems to be the theme, candidates should be able to calculate any percentage without the use of a calculator by either converting to fractions or breaking down into 10% and 1%

FOR THE CALCULATOR PAPER QUESTIONS: An even split between reverse percentages and Compound interest type questions. Sometimes Both types in the same paper.

Percentages used to appear early in paper 2 in the old Credit, usually worth 3 marks for:

1. Correct approach
2. Using correct multiplier
3. Correct solution

Non – Calculator Percentage questions.

3. Evaluate

12.5% of £140.

2		
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6. Marmalade is on special offer.

Each jar on special offer contains 12.5% more than the standard jar.



A jar on special offer contains 450 g of marmalade.

How much does the standard jar contain?

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CALCULATOR QUESTIONS

3. Harry bids successfully for a painting at an auction.

An "auction tax" of 8% is added to his bid price.

He pays £324 in total.

Calculate his bid price.

3	

1. Alistair buys an antique chair for £600.

It is expected to increase in value at the rate of 4.5% each year.

How much is it expected to be worth in 3 years?

3	

5. Mark takes some friends out for a meal.

The restaurant adds a 10% service charge to the price of the meal.

The **total** bill is £148.50.

What was the price of the meal?

3	

1. A local council recycles 42 000 tonnes of waste a year.

The council aims to increase the amount of waste recycled by 8% each year.

How much waste does it expect to recycle in 3 years time?

Give your answer **to three significant figures**.

4	

3. In 1999, a house was valued at £90 000 and the contents were valued at £60 000.

The value of the house **appreciates** by 5% each year.

The value of the contents **depreciates** by 8% each year.

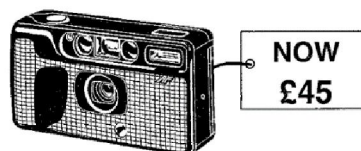
What will be the **total** value of the house **and** the contents in 2002?

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3. In a sale, all cameras are reduced by 20%.

A camera now costs £45.

Calculate the **original** cost of the camera.



3	

4. 250 milligrams of a drug are given to a patient at 12 noon.

The amount of the drug in the bloodstream decreases by 20% every hour.

How many milligrams of the drug are in the bloodstream at 3pm?

3	

2. A microwave oven is sold for £150.

This price includes VAT at 17.5%.

Calculate the price of the microwave oven **without** VAT.

3	