

- 1** A new phone cost £679  
The value of the phone decreases at a rate of 4% per year.  
Work out the value of the phone at the end of 3 years.

£.....

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**(Total for Question 1 is 3 marks)**

- 2** The population of a town increased by 9% between 2018 and 2019  
The population in 2019 was 165 680  
Calculate the population in 2018

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**(Total for Question 2 is 2 marks)**

- 3** Tamsin buys a house with a value of £150 000  
The value of Tamsin's house increases by 4% each year.
- Rachel buys a house with a value of £160 000  
The value of Rachel's house increases by 1.5% each year.
- At the end of 2 years, whose house has the greater value?  
You must show how you get your answer.

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**(Total for Question 3 is 4 marks)**

4 Jenny invests £3000 for 6 years at  $y\%$  simple interest per year.

At the end of the 6 years, Jenny has received a total of £450 in interest.

Work out the value of  $y$ .

$y = \dots\dots\dots$

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**(Total for Question 4 is 3 marks)**