

Q1 June 2017

22 Anil wants to invest £25 000 for 3 years in a bank.

Personal Bank

Compound Interest

2% for each year

Secure Bank

Compound Interest

4.3% for the first year
0.9% for each extra year

Which bank will give Anil the most interest at the end of 3 years?
You must show all your working.

(Total for Question 22 is 3 marks)

Q2 June 2022

26 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.

£.....

(Total for Question 26 is 3 marks)

Q3 June 2023

- 27** 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.

(Total for Question 27 is 4 marks)

- 17** Emily buys a pack of 12 bottles of water.
The pack costs £5.64
- Emily sells all 12 bottles for 50p each.
- Work out Emily's percentage profit.
Give your answer correct to 1 decimal place.

.....%

(Total for Question 17 is 3 marks)

Q5 Nov 2021

- 28** In a sale, the normal price of a boat is reduced by 15%
The sale price of the boat is £272 000
- Work out the normal price of the boat.

£.....

(Total for Question 28 is 2 marks)

Q6 Nov 2022

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

Calculate the population in 2018

(Total for Question 26 is 2 marks)
