

Ex 1 Percentages

1 Calculate the compound interest (to the nearest penny) on:

(a) £3000 for 5 years at 5% per annum.

(b) £400 for 3 years at 7% per annum.

(c) £45000 for 4 years at 4.25% per annum.



2 In the year 2010 it was estimated the Amazon rain forest was home to 60 000 poison arrow frogs. Due to loss of habitat the number of frogs is falling at a rate of 15% per annum. Calculate the estimate number of frogs there will be in 2014.

3 A raincloud contains 2500 litres of water. The cloud is increasing in size at a rate of 4.3% per hour. Calculate the volume of water in the cloud in 8 hours time.

4 A One Direction concert is attended by 6400 people on a Friday evening. That evening 80% of the tickets had been sold. How many people can the venue hold when full?



5 A can of Fanta contains 396 millilitres. This is 20% more than a normal sized can. How much does a normal can of Fanta hold?

