

National 5 Mathematics

Percentages - Questions - 2014-2017

Marks are indicated in brackets after each question number

2014 Paper 1 Question 9, (3)

480 000 tickets were sold for a tennis tournament last year.

This represents 80% of all the available tickets.

Calculate the total number of tickets that were available for this tournament.

2014 Paper 2 Question 1, (3)

There are 964 pupils on the roll of Aberleven High School.

It is forecast that the roll will decrease by 15% per year.

What will be the expected roll after 3 years?

Give your answer to the nearest ten.

2015 Paper 2 Question 1, (3)

A house is valued at £240 000.

Its value is predicted to rise by 2.8% per annum.

Calculate its predicted value after 2 years.

2015 Paper 2 Question 8, (3)

James paid £297.50 for a laptop in a sale.

The discount in the sale was 15%.

Calculate the original price of the laptop.

2016 Paper 2 Question 1, (3)

A drinks manufacturer is reducing the sugar content of one of their fizzy drinks by 8% per year over the next 3 years.

The sugar content of a standard can is currently 35 grams.

Calculate the sugar content of a standard can after 3 years.

2017 Paper 2 Question 2, (3)

A necklace is valued at £1200.

Its value is expected to increase by 4.5% per year over the next 3 years.

Calculate the expected value of the necklace after this time.

Give your answer to the nearest pound.

2017 Paper 2 Question 5, (3)

A theatre group sold 4830 tickets for their show.

This was 15% more than they sold last year.

How many tickets did they sell last year?