

8300

GCSE MATHEMATICS

Foundation tier – Questions by Topic

Number

Simple interest calculations

v1.0

Name _____

Materials

For this paper you must have:

- Mathematical instruments
- You may use a calculator



Information

- The marks for questions are shown in brackets

Advice

- In all calculations, show clearly how you work out your answer

Q1.

£500 is invested for 2 years at 3% **simple** interest per year.
Work out the total interest.

(Total 3 marks)

Q2.

£800 is invested for 3 years at 2% **simple** interest per year.
Work out the total interest.

(Total 3 marks)

Q3.

The original value of a car is £8600
The value of the car decreases by
 15% in the first year
 then
 10% in the second year.

Work out the value of the car after these two years.

(Total 3 marks)

Q4.

Kay hires a digger.
The cost per day is

- £24.50 for the first 5 days
- reduced by 20% for day 6
- the same as day 6 for day 7 onwards.

The **total** cost is £259.70
For how many days did Kay hire the digger?
You **must** show your working.

(Total 5 marks)