



You may use a calculator in this assessment, but you must **show all working**.

- Write 85% as a decimal **and** as a fraction, (*in its simplest form*).
- In Auchtermully High School, 55% of the pupils are girls.
If the role at Auchtermully is 640, how many of the pupils are **boys** ?
- David scored 19 out of 25 in his History test and 24 out of 30 in his Geography test.
In which test did David do better ? (*You **must** support your answer with working*).
- Adsa Stores bought in a box of 24 tins of beans for a total price of £12.00.
They sold all 24 tins for 62p each.
 - Calculate the **total** profit when all the tins were sold.
 - Express this profit as a **percentage** of the cost price.

- Jenny was left £12000 in her Gran's will. She deposited the money in SCOTIA Bank and left it there for 3 years.
Calculate how much her £12000 savings were worth at the end of the 3 year period. (*Interest rate = 4% p.a.*)

SCOTIA BANK
annual rate of
interest = **4%**

- I bought my new car three years ago for £10500.
 - It lost 20% of its value in the first year
 - It lost a further 10% in the second year
 - It also lost 15% of its value this year.



How much is my car now valued at ?

7.



The value of my flat rose by 8% during this year.
It is now valued at £162 000.
Calculate how much it must have been worth last year.

- When a jug of water was left in the sun 20% of it evaporated.
There was **then** 640 millilitres of water left in the jug.
How much water was in the jug before it was left in the sun ?

9. Round :-

- 37924 to **two** significant figures.
- 0.0047049 to **three** significant figures.