Suppose £ 10000 is invested at 10% per aunum for 4 years. How much does it amount to?

$$£ 14641$$

Amount = Principal $\left(1 + \frac{rate}{100}\right)^n$

$$A = P(1 + \frac{r}{100})^n$$

In this example

A = 10000 x 1.104

Ex 2 £4500 is invested for 6 years at 7% per annum. What does it amount to

$$A = 4500 \times 1.07^{6}$$
$$= £6753.29$$

Depreciation on a reducing belance basis

A car costing £30000 new, depreciates at

20% per annum. Find the value after & years

Use both non-calculator and calculator methods for questions 1 and 2

- 1. Find the amount in the bank when £6000 is invested at 5% per annum for 2 years
- 2. Find the amount in the bank when £20000 is invested at 10% per annum for 3 years
- 3. Find the amount when £750 is invested for 4 years at 8% per annum
- 4 Find the amount when £15000 is invested for 9 years at 3 % per annum

Use both non-calculator and calculator methods for questions 5 and 6

- 5. Find the value of a 2 year old car that cost £7000 new and depreciates at 20% per annum
- 6. Find the value of a 3 yearold car that cost £10,000 new and depreciates at 10% per annum.
- 7. Find the value of a 5 year old machine that cost £65000 new and depreciates at 25% per annum.
- 8 Find the value of a 7 year old machine that cost £35000 new and depreciates at 32% per annum