**Q1**. (a) Calculate the **total** amount Cameron will have in his account after 3 years if he invests £1500 at the rate of 4% per annum.

(b) How much compound interest has he earned

**Q2**. Beth buys a new car costing £12600. It depreciates in value by 30% in the first year and by 20% each year after that.

How much will she be able to trade it in for in 3 years time ?



**Q3.**



**Q4.**

Q5. Harry invests £1000 at a rate of interest of 5% a year. After how many years will he have doubled his investment?

Q6. (a) A box of chocolates is in the shape of a triangular

9 cm

10 cm

20 cm

prism. Calculate its volume.

**(b**) The box contains 63 chocolates each with a volume of 4 cm3.

 What percentage of the volume of the box is unused?

**Volume Recap - challenge**

**Q7**. A cylindrical tin holds a litre of liquid (V = 1000$cm^{3}$) and has a diameter of 7 cm. Calculate its height.