If % is year on year easier to use

$$V = I\left(1 \pm \frac{\%}{100}\right)^{n}$$

Past Paper Percentage Type Questions for Intermediate 2

Created by Mr.Lafferty@mathsrevision.com

Q1. Ian's annual salary is £ 28900 . His boss tells him that his salary will increase by 2.5 % per annum.

What will Ian's annual salary be after 2 years to the nearest pound.

(3 marks)

Q2. The value of a boat decreased from £ 33600 to £ 29400 in one year.

(a) What was the percentage decrease? (to 1 decimal place) (1 mark)

(b) If the value of the boat continued to fall at this rate, what would its value be after a **further** 3 years?

(3 marks)

Q3. In the evening, the temperature in a greenhouse drops by 6 % per hour.

At 4 pm the temperature is 32 ° Celsius. What is the temperature at 10 pm

(3 marks)

Q4. The average Scottish house price is £ 87100

The average price is expected to rise by 2.7 % per month.

What will the average Scottish house price be in 4 months

(3 marks)

Q5. The value of a house increased from £ 86300 to £ 92800 in one year.

(a) What was the percentage decrease? (to 1 decimal place) (1 mark)

(b) If the value of the house continued to rise at this rate, what would its value be after a **further** 5 years?

(3 marks)