



NON CALCULATOR

Section A

Increase the following amounts by...	10%	25%	1%
£20	£22	£25	£20.20
£16	£17.60	£20	£16.16
£32	£35.20	£40	£32.32
£60	£66	£75	£60.60
£400	£440	£500	£404
£2700	£2970	£3375	£2727
£18'500	£20350	£23125	£18685

Decrease the following amounts by...	50%	20%	2.5%
£30	£15	£24	£29.25
£14	£7	£11.20	£13.65
£22	£11	£17.60	£21.45
£70	£35	£56	£68.25
£800	£400	£640	£780
£3400	£1700	£2720	£3315
£26'200	£13100	£20960	£25545

Section B

- 1) A DVD costing £30 is to be reduced in a sale by 15%. What is the **new price** of the DVD in the sale? **£25.50**
- 2) The value of a house costing £145 000 increases by 10%. What is the **new price** of the house? **£159'500**
- 3) The population of a small village was 900 in 2001. It has increased by 12%. What is the population now? **1008**
- 4) A car dealer bought a car for £7500 and sold it to make a 30% profit. For how much did he sell the car? **£9750**
- 5) In 2005 a shopkeeper decided to buy new items for his shop. The shopkeeper bought a glass door and a new counter.
The glass door cost £1500 **excluding** VAT.
The new counter cost £120 **including** VAT.
 - a. The rate of VAT in 2005 was 17.5%. How much **in total** did the shopkeeper spend on new items in 2005? **£1762.50 + £120 = £1882.50**
 - b. How **much more** would the shopkeeper have spent if he purchased the new items after VAT increased to 20% ?

$$(\pounds1800 + \pounds122.55) - \pounds1882.50 = \pounds40.05$$