Non	Cal		lator
11011	Ju	i cu	ator

1 Without using a calculator work out the following percentages of quantities. Remember that 10% is  $\frac{1}{10}$  and so you divide by 10.

		10		-	
(i)	10% of £20	(ii)	10% of £600	(iii)	10% of £15
(iv)	10% of £44	(v)	10% of £320	(vi)	10% of £17
(vii)	10% of £5	(viii)	10% of £7.50	(ix)	10% of £1.30
(x)	10% of £0.40				

2 This time work out 5% of the following quantities. The best way of doing this is to work out 10% and then find half the amount to give you 5%.

(i)	5% of £40	(ii)	5% of £100	0,	5% of £160
(iv)	5% of £30	(v)	5% of £50	(vi)	5% of £260
(vii)	5% of £1,400	(viii)	5% of £12	(ix)	5% of £1,500
(x)	5% of £0.40				

3 This time work out  $2\frac{1}{2}\%$  of the following quantities. The best way of doing this is to work out 10% and then find half the amount to give you 5% and then halve the amount again to find  $2\frac{1}{2}\%$ .

(i)	21⁄2% of £400	(ii)	21⁄2% of £100	(iii)	21⁄2% of £60
(iv)	21⁄2% of £300	(v)	21⁄2% of £150	(vi)	21⁄2% of £3,000
(vii)	2½% of £180	(viii)	21⁄2% of £200	(ix)	21⁄2% of £2
(x)	21⁄2% of £5,400				

4 VAT is currently  $17\frac{1}{2}$ %. To work this out without using a calculator you need to work out 10%, 5% and  $2\frac{1}{2}$ % and then add up the amounts to give you  $17\frac{1}{2}$ %.

(i)	171⁄2% of £400	(ii)	171⁄2% of £100	(iii)	17½% of £60
(iv)	171⁄2% of £300	(v)	171⁄2% of £150	(vi)	171⁄2% of £3,000
(vii)	17½% of £180	(viii)	171⁄2% of £200	(ix)	171⁄2% of £2
(x)	171⁄2% of £5,400				

**5** To work out 20% find 10% and then **double** the amount. To work out 30% find 10% and then **treble** the amount.

(i)	20% of £400	(ii)	30% of £200	(iii)	30% of £60
(iv)	20% of £300	(v)	20% of £150	(vi)	30% of £3,000
(vii)	30% of £180	(viii)	20% of £200	(ix)	30% of £2
(x)	30% of £5,400				

6 Increase or decrease the amounts by the following %

- (i) Inc £400 by 10%
  (ii) Dec £80 by 15%
  (iii) Inc £32 by 10%
  (iv) Inc £240 by 5%
  (v) Dec £160 by 17½%
  (vi) Inc £3,000 by 5%
  - Dec £180 by 21/2% (viii) Dec £120 by 71/2% (ix) Inc £2 by 121/2%
- (x) Dec £4,200 by 35%

(vii)