A coat costing tax has its price increased by 15%. What is the new cost? £48 × 1.15 = £55.20

A coat in a sale is offered for £48 after having 20% taken off. How much was it originally?

original \times 0.8 = £48 original = $\frac{48}{0.8}$ = £60

VAT is a fax on sales of 20%.

A car costs £23000 including VAT

What is the price excluding VAT.

23000 = 120% of organd

23000 $\div 1.2 = £19166.67$

- 11. A workforce is reduced by 5% to 437. What was the previous size of the workforce?
- 12. Including 20% VAT a television costs £420. What is the ex-VAT price?
- 13. 442 soldiers completed their training course. If 15% dropped out, how many began the course?
- 14. A coat is priced at £42 in a sale with 25% off.

 What was the price of the coat before the sale?

 15. After a 15% price rise a cycle cost £184. What

 was the price before the price rise?

10. Decrease £33 by 23%

100% - 23% = 77%

Find 77% of £33

£33 x 0.77 = £25.41

14. Original -25% = 142Original $\times 0.75 = 142$ So $142 \div 0.75 = 0$ Original $142 \div 0.75 = 1456$ Coat was originally 1456

11. Workforce reduced by 56 to 437

Original × 0.95 = 437

So 437 ÷ 0.95 = original

437 ÷ 0.95 = 460

Original workforce = 460

15. Original + 15% = £184

Original × 1.15 = £184

so £184 ÷ 1.15 = £160

Cycle was originally £160

12. Ex-VAT price + 20% = £420

Ex-VAT price x 1.20 = £420

so £420 ÷ 1.20 = £x-VAT Price

£420 ÷ 1.20 = £350

Ex-VAT price = £350

13. Original -15% = 442

Original \times 0.85 = 442

so $442 \div 0.85 = 0$ riginal $442 \div 0.85 = 520$ 520 soldiers started course