

<u>Reverse Percentages</u>

How to ...

The normal price of a television is reduced by 30% in a sale.

The sale price of the television is £350.

Work out the normal price of the television.

100% less 30% = 70% SALE PRICE. ORIGINAL weare told this is / £350 so 10% = 350÷7 = 750 soif 10% = fs0100% = £500 (3) The normal proof the TV=ESOO TOCULOX.10% of £500 = £50 500-150=350

Now have a go yourself

- (a) In a sale, all prices are reduced by 20%. The sale price of a shirt is £33.60. Work out the original price.
- (b) The price of a new TV is £376, which includes VAT. What is the cost of the TV excluding VAT?
- (c) Employees at a firm are going to receive a 4% increase in their salaries. Joe earns £24,960 after the increase. what was his original salary?
- (d) A holiday is advertised at a price of £403. This represents a saving of 35% on the brochure price. Work out the brochure price of the holiday.
- (e) Nimer got a pay rise of 5%. His new pay is £1680 per month. Work out his pay per month before her got this pay rise.
- (f) In a sale prices are reduced by 20%. Andrew brought a saddle for his horse. The sale price was £220. Calculate the normal price of the saddle.
- (g) The value of a car depreciates by 35% each year.At the end of 2007, the value of the car was £5460.Work out the vale of the car at the end of 2006.

YOU MIGHT NEED TO USE A CALCULATOR FOR SOME OF THESE

Exam Questions

Chris is a plumber. He has to work out the VAT on some equipment he has just bought. VAT is 17.5%. The total cost of the equipment including VAT is \pounds 4465. Calculate how much the VAT is.

(3)

