



Money Maths - Percentages

1. Value Added Tax

VAT is a tax paid to the Government when you buy goods and services. It is currently 20%, which is added to the price of the product.

Calculate the total price if VAT is added to the following products:

		VAT	Total Price
Restaurant bill	£47.68		
Concert tickets	£89.27		
CD	£16.99		
Games console	£129.49		
Plasma TV	£1,144.99		

2. Changing values

When we buy things they often depreciate in value (their worth goes down). However, some things can increase in value, so it's important to bear this in mind when thinking about large purchases.

Work out the following values:

a. Naomi buys a flat for £65,000. Over eight years, property prices increase by 20%. How much is the flat worth at the end of the eight years?

b. Steven buys a house for £180,000. Property prices fall by a total of 27% over the next three years. How much is the house worth then?

c. Kaya buys a second hand car for £7,550. It falls in value by 18% over the next four years. How much is it worth then?

d. James buys a gold ring for £1,043 but loses it. He goes to buy an identical ring a year later but the price has increased by 12%. How much will the new ring cost?

e. Risha buys a house worth £274,799. In six years time, it has increased in value by 17.5%. How much is it worth? How much money will Risha make in profit if she sells the house?

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3. Discounts and offers

When you're shopping, you can save money by looking for the best discounts.

The following stores are offering identical items at different prices. In each case, work out the discounted prices and find the cheapest offer (or Best Buy!).

Store A – Original price: £6,500 Offer: 25% off

Store B – Original price: £5,050 Offer: 15% off

Store C – Original price: £8,500 Offer: 35% off



Store A – Original price: £245 Offer: 53% off

Store B – Original price: £150 Offer: 26% off

Store C – Original price: £120 Offer: 9% off



Store A – Original price: £13.55 Offer: 15% off

Store B – Original price: £15.29 Offer: 20% off

Store C – Original price: £16.49 Offer: 1/3 off



Store A – Original price: £515.59 Offer: 22% off

Store B – Original price: £643.34 Offer: 33% off

Store C – Original price: £458.99 Offer: 11% off



Note: Discounts offered by stores are rarely as complicated to work out as these but it may be useful to take a calculator shopping with you so you understand exactly what you'll have to pay.