Money Matters.

You should be able to do the following:

- Calculate Simple Interest.
- Calculate a Wage Rise
- Calculate Commission earned.
- Calculate Double Time & Time and a Half OT
- Calculate Profit and Loss
- Calculate an Insurance Premium
- Calculate different currencies using various rates of exchange.
- Calculate a Hire Purchase Plan
- Calculate VAT.

Example 1: - Calculating Simple Interest.

I borrow £800 from the bank for 1 year. The bank charges 9% interest p.a. (per annum). How much must I pay back altogether?



Example 2: - Calculating Simple Interest.

I leave £2000 in the bank where the interest rate is 6.5% p.a. How much will I receive for my investment after: a) 1 Year. b) 1 Month c) 7 Months.



Example 3: - Calculating a Wage Rise:

Last year, Tanya's salary was £16,500. This year she received a 3% pay rise.

- a) Calculate the actual pay rise due to Tanya.
- b) Now calculate Tanya's new annual salary.



Example 4: - Commission:

Sam sells cars for a living. He receives 2% commission on any car that he sells. He sold a new car worth £12,600. How much commission did he take?



Example 5: - Overtime – Double Time.

Cedric works in a florist shop. His boss pays him a basic rate of £5.40 per hour. Last week Cedric worked his normal 34 hours plus 8 hours at an overtime rate of Double Time. How much did he get paid altogether last week?



Example 6: - Overtime – Time and a half.

Mary works in another florist shop. Her boss pays her the same basic rate of £5.40 per hour as Cedric. Last week Mary worked her normal 34 hours plus 8 hours at an overtime rate of Time and a half. How much did she get paid altogether last week?



Example 7: - Profit and Loss.

Mr Scott bought a treadmill for £350, and a rowing machine for £195. One year later he sold the treadmill for £298.50 and the rowing machine for £125.75. How much of a loss did he make altogether?



Example 8:- Profit and Loss.

Example 9: - Insurance Premium.



Example 10: - Exchange Rates.

The Lawson family flew to Italy for a two week holiday. They exchanged £1500 to Euros at a rate of $\pounds 1 = 1.54 \in$ How many Euros did they get to spend?

2300€

Example 11: - Calculating Hire Purchase.

I bought a new suite from a shop. It normally costs ± 3700 if paying upfront. I entered into the Hire Purchase scheme by paying a deposit for ± 475 and following it with 24 monthly payments of ± 140.50 . How much did I pay altogether?

Find Monthly Payments 24 × 140.50 = £3372 →	First start by multiplying the amount of monthly payments by the amount you are to pay back per month.
Add the Deposit.	Now add the deposit to the monthly payment amount. Hire Purchase
3372 + 475	will always work out more expensive that paying up front, but it is a
= £3847	more convenient short term method of buying expensive items.

£3847

Example 12: - Calculating VAT.

A microwave is advertised as selling at £500 without VAT. In order to buy it, VAT at a rate of 17.5% has to be added on. How much will I buy the microwave for?

