# Find a percentage of a given amount using a calculator



Complete the calculations.

Show your working.

Tick the calculation that cannot be used to find 83% of £542

Explain your answer.

Write <, > or = to make the statement correct.

Explain your answer.

In 2011, the population of Leeds was 474,632

The population of Leeds has now increased.

A web page states, "The population of Leeds has increased by 17%."

Is it possible for the population to have increased by exactly 17%?

Explain your answer.

Calculate 37% of 2 m.
Give your answer in centimetres.



Dani is buying a bike.

She finds the same bike in two different shops.





The rate of VAT is 20%.

In which shop would it be cheaper to buy the bike? Show your working.

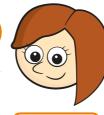
Rosie and Jack are calculating 99% of £250



You need to use
a calculator for this as they
are large numbers.

Jack

I think it's possible to use a mental method for this.



Rosie

Which mental method might Rosie use?

In 2007, the value of a house was £119,995
From 2007 to 2018, house prices decreased by 9.4%.
How much has the value of the house decreased by?



A car salesman earns commission for each car he sells.

The commission is a percentage of his monthly salary, based on the values of the cars he sells.

Here is a table of his commissions.

Car value	alue Commission			
< £15,000	2.3% of salary			
≥ £15,000	5.7% of salary			

His monthly base salary is £1,208

a) How much commission does he earn from selling 1 car for less than £15,000?

	than £15,000?	
c)	How much commission does he earn for selling 7 cars, than £15,000?	each for more
d)	In January, he sells 6 cars that cost less than £15,000 a cost more than £15,000  How much does he get paid that month?	and 7 cars that
	He gets paid	

b) How much commission does he earn for selling 6 cars, each for less

Mr Jones wants to put £850 into a bank account.

He looks at the interest rates from two different banks.



## 3% of the original

3% of the original amount deposited

#### Second year:

1.5% of the total amount at the end of year 1

### **Bank Happy**



First year:
0.5% of the original amount deposited

#### Second year:

4% of the total amount at the end of year 1

At the end	of 2 years	he wants to	have made	as much	money as	possible.
	9					

Which bank should Mr Jones use?
Explain your answer.

