# Find a percentage of a given amount using a calculator



Complete the calculations.

Show your working.

a) 
$$36\%$$
 of £240 =  $\frac{266}{40}$ 

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.

5 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?

8 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?



E11,279.53

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	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?

E34.48

**b)** How much commission does he earn for selling 6 cars, each for less than £15,000?

E166 . 70

c) How much commission does he earn for selling 7 cars, each for more than £15,000?

£ 481.99

d) In January, he sells 6 cars that cost less than £15,000 and 7 cars that cost more than £15,000

How much does he get paid that month?

He gets paid **£1856.69** 

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

He looks at the interest rates from two different banks.



### First year:

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.

Which bank should Mr Jones use? <u>Bank Central</u>
Explain your answer.

Bank central: E888.63

Bonk Happy: E888-42

