Find a percentage of a given amount using a calculatorComplete the calculations.
Show your working.
a) $36 \%$ of $£ 240=$ $\square$
b) $79 \%$ of $£ 56=$ $\square$
(2)

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

```
542\div100\times83
```

$542 \div 83 \times 100$
$0.83 \times 542$

Explain your answer.
$\qquad$
(3)

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


Explain your answer.
(4)

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.
$\qquad$Calculate $37 \%$ of 2 m .
Give your answer in centimetres.
$\square$

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.


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?

b) How much commission does he earn for selling 6 cars, each for less than $£ 15,000$ ?
c) How much commission does he earn for selling 7 cars, each for more than $£ 15,000$ ?

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 $\square$

Mr Jones wants to put $£ 850$ into a bank account. He looks at the interest rates from two different banks.

| Bank Central |
| :---: | :--- |
| First year: <br> $3 \%$ of the original <br> amount deposited <br> Second year: <br> 1.5\% of the total amount <br> at the end of year 1 |$\quad$| 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? $\qquad$
Explain your answer.
$\qquad$
His monthly base salary is $£ 1,208$
a) How much commission does he earn from selling 1 car for less than $£ 15,000$ ?

