## 2. The cost of driving



## Talk about it

Do you drive?
Do you have a car?
Have you ever tried to work out how much it costs to run a car?

## These are the skills you will practise in this unit.

Which are the most useful for you? Tick the boxes.Working with numbersUnderstanding the connection between fractions, decimals and percentagesWorking with decimalsUnderstanding and working with percentagesKnowing how to use a calculator
Knowing how to work with money
$\square$
Knowing how to work out distances

Skill code
N1/L1. 1

N2/L1.3
N2/L1.4, 7
N2/L1.8, 9, 10
N2/L1.11
MSS1/L1.1
MSS1/L1.5

## Who drives?



## (1) Activity 1

How much will my driving licence cost?


My provisional licence cost $£ 29.00$.
I have to pay $£ 12.00$ to change it to a full licence.
Provisional licence
$£ 29.00$
Change provisional licence to a full licence $£ 12.00$

My driving licence will have cost


## Remember

To add money, use a place value table:

| $H$ | $T$ | $U$ | $\bullet$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 0 | 3 | $\bullet$ | 0 | 5 |
|  | 2 | 6 | $\bullet$ | 2 | 3 |
| $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{9}$ | $\bullet$ | $\mathbf{2}$ | $\mathbf{8}$ |

I wanted to find out how many people have a driving licence.
I asked 10 men and 10 women whether they had a driving licence.
I used a table to record my results.

|  | Driving licence | No driving licence |
| :--- | :---: | :---: |
| Men | 8 | 2 |
| Women | 7 | 3 |

(1) Activity 2

These results can be written as fractions, decimals, and percentages.
8 out of 10 is

| Fraction | Decimal | Percentage |
| :---: | :---: | :---: |
| $\frac{8}{10}$ | 0.8 | $80 \%$ |

This is how $\frac{8}{10}$ changes to $80 \%$.
The fraction changes to a decimal: $8 \div 10=0.8$

## Tip

Dividing by 10 and 100

- When dividing by 10 , the digits move 1 place to the right
$8 \div 10=8.0 \div 10=0.8$
- When dividing by 100 , the digits move 2 places to the right
$8 \div 100=8.0 \div 100$

The decimal changes to a percentage: $0.8 \times 100=80 \%$

## Tip

## Multiplying by 10 and 100

- When multiplying by 10 , the digits move 1 place to the left
$0.8 \times 10=8.0 \times 10=80.0$
- When multiplying by 100 , the digits move 2 places to the left
$0.8 \times 10=8.0 \times 100=800.0$

The fraction changes to a percentage: $\frac{8}{10} \times 100$

$$
\begin{aligned}
& =8 \div 10 \times 100 \\
& =0.8 \times 100=80 \%
\end{aligned}
$$

## Remember

To change from fraction to decimal, divide the top (the numerator) number in the fraction by the bottom number (the denominator). You may need to use a calculator.

To change from a decimal to a percentage, just multiply the decimal by 100 .
To change from a fraction to a percentage, change it to a decimal first, then multiply this by 100 .

1 Write 7 out of 10 as a

| Fraction | Decimal | Percentage |
| :--- | :--- | :--- |
|  |  |  |
|  |  |  |

2 Write 3 out of 10 as a

| Fraction | Decimal | Percentage |
| :--- | :--- | :--- |
|  |  |  |
|  |  |  |

## Activity 3

80 per cent $=80 \%$. This means 80 out of 100 .
Change $80 \%$ to a fraction by writing it as $\frac{80}{100}$.
The fraction can be simplified because both the numerator (80) and the denominator (100) can be divided by 10 .
Numerator $80 \div 10=8 \quad$ Denominator $100 \div 10=10$
Therefore, $\frac{80}{100}=\frac{8}{10}$.
This can be simplified even further because both 8 and 10 can be divided by 2 .
Numerator $8 \div 2=4$ Denominator $10 \div 2=5 \quad$ therefore, $\frac{8}{10}=\frac{4}{5}$
So $80 \%=\frac{80}{100}=\frac{8}{10}=\frac{4}{5}$.

## Remember

To change a percentage to a fraction, write the precentage as a fraction with a denominator of 100 .
Then simplify the fraction if possible.

1 Change 20\% into a fraction. Simplify the fraction. $\qquad$
2 Change 30\% into a fraction. Simplify the fraction.
$80 \%$ can be changed to a decimal by dividing 80 by $100 . \quad 80 \div 100=0.8$

## Tip

- The word 'per cent' means 'in every hundred'.
- To change a percentage to a decimal, just divide by 100 .

3 Change 70\% to a decimal. $\qquad$
4 Change 20\% to a decimal. $\qquad$

## Activity 4

I can use a place value table to change a decimal to a fraction.
Change 0.7, 0.17 and 0.493 to fractions.

| Units | $\bullet$ | Tenths | Hundredths | Thousandths |
| :---: | :---: | :---: | :---: | :---: |
| 0 | $\bullet$ | 7 | 0 | 0 |
| 0 | $\bullet$ | 1 | 7 | 0 |
| 0 | $\bullet$ | 4 | 9 | 3 |

0.7 is 7 tenths, 0 hundredths, 0 thousandths $=\frac{7}{10}$
0.17 is 1 tenth, 7 hundredths, 0 thousandths $=\frac{17}{100}$
0.493 is 4 tenths, 9 hundredths and 3 thousandths $=\frac{493}{1000}$
0.493 is the same as the fraction $\frac{493}{1000}$

Use the place value table below to change decimals to fractions.
10.4 is the same as the fraction

20.62 is the same as the fraction

30.125 is the same as the fraction


| Units | $\bullet$ | Tenths | Hundredths | Thousandths |
| :---: | :---: | :---: | :---: | :---: |
| 0 | $\bullet$ |  |  |  |
| 0 | $\bullet$ |  |  |  |
| 0 | $\bullet$ |  |  |  |

Simplify the fraction where necessary.

## Activity 5

National statistics show that about $80 \%$ of men hold a driving licence. If there are approximately 125200 men in a town, how do you work out how many have a driving licence?

## Remember

Finding a percentage of a number - the $10 \%$ method
$10 \%=\frac{10}{100}=\frac{1}{10}$ so $10 \%$ is one tenth.
To work out $\frac{1}{10}$ divide by 10 .
Use $10 \%$ to find $20 \%, 30 \%, \ldots$ and so on.
e.g. $10 \%$ of 150 is $\frac{1}{10}$ of $150=150 \div 10=15$
so $5 \%$ of 150 is $15 \div 2=7.5$
$20 \%$ of 150 is $2 \times 15=30$
$30 \%$ of 150 is $3 \times 15=45$
$40 \%$ of 150 is $4 \times 15=60$

Use the $10 \%$ method to work out $80 \%$ of 125200
$10 \%$ of 125200 is
$80 \%$ of 125200 is $8 \times$ $\qquad$
so approximately $\qquad$ men in the town
have driving licences
Here are some figures about car ownership in the United Kingdom.

- $10 \%$ of households do not have a car.
- $65 \%$ of households have one car.
- $25 \%$ of households have two or more cars.

There are 375600 households in my town.
1 How many households do not have a car? $\qquad$
2 How many households have one car? $\qquad$
$60 \%$ of $375600=$ $\qquad$
$5 \%$ of $375600=$ $\qquad$
3 The number of households with two or more cars is $\qquad$
$425 \%$ is the same as a simple fraction. What fraction is the same as $25 \%$ ? $\square$
Use this information to check your answers to question 3. Show how you did this.

My friend lives in a large town. There are 768500 households in her town.
5 How many households do not have a car? $\qquad$
6 How many households have one car? $\qquad$

## Does size really matter?

The first thing I have to do is to decide what size car I can afford to buy. I want to know whether a small car will be cheaper than a large car. I need to find out whether size really matters.

> I need a car that is not too expensive to buy, is not too expensive to insure and will not be too expensive to tax!

## Activity 6

## Remember

$1000 \mathrm{cc}=1$ litre

The table shows the engine size and price of six cars.
Engine sizes are measured in litres (l) or sometimes in cubic centimetres (cc).

| Engine Size (I) | 2.0 | 1.4 | 1.8 | 1.6 | 1.2 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Price | $£ 12633$ | $£ 8947$ | $£ 11604$ | $£ 10624$ | $£ 6999$ |

It is easier to compare the cars if the information is rearranged in order of price, starting with the dearest. Use a place value table to sort the numbers.

| Hundred <br> thousands | Ten <br> thousands | Thousands | Hundreds | Tens | Units |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 6 | 3 | 3 |
|  |  | 8 | 9 | 4 | 7 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

12633 is 1 ten thousand, 2 thousands, 6 hundreds, 3 tens and 3 units.
8947 is 8 thousands, 9 hundreds, 4 tens and 7 units.
$£ 12633$ is bigger than $£ 8947$.
The most expensive car costs $£ 12633$. The engine size is 2.0 litres.
This information has been entered into the last column in the table below.
1 Arrange the cars in order of price, starting with the cheapest. Write the price and engine size in the table.

Look at the table. It will help you to answer these questions.

| Price |  |  |  |  | $£ 12633$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Engine size |  |  |  |  | 2.0 |

2 How much does the most expensive car cost? $\square$
3 What is the engine size of the highest priced car? $\square$
4 What is the lowest price?


5 What is the engine size of the lowest priced car?


6 How much does the 1.6 litre car cost?


7 Does engine size affect the price of a car?


Activity 7


Here are some figures for the cost of car insurance by driver's age and gender for a year. The costs are for insuring cars in city centres. City centres are classed as 'high risk' areas, so insurance premiums are high.

Work out the difference in annual insurance for the different sizes of engines.

|  |  | Engine capacity (cc) <br> Age |  |
| :--- | :---: | :---: | :---: |
| Gender | Below 1550 | $\mathbf{1 5 5 0}$ and over |  |
| 20 | Female | $£ 2196$ | $£ 4688$ |
| 20 | Male | $£ 3193$ | $£ 5984$ |
| 30 | Female | $£ 1097$ | $£ 1564$ |
| 30 | Male | $£ 1309$ | $£ 1872$ |

Use your calculator to subtract these large numbers.
Do it like this (1550 cc and over) - (Below 1550 cc) Difference in cost
20-year-old female:
$£ 4688$ - £2196
£2492
1 20-year-old male:
2 30-year-old female: $\qquad$
$\qquad$
$\qquad$
$\qquad$
3 30-year-old male:
4 Give the age and gender of the person with the biggest difference in cost.

5 Who will pay the lowest insurance?


6 Who will pay the highest insurance?


## - Activity 8

Car tax, formerly known as road fund tax, must be paid for every car on the road.
You can pay the tax once a year or once every six months.

| Engine size | 12-month rate (£s) | 6-month rate (£s) |
| :--- | :---: | :---: |
| Under 1550 cc | 105.00 | 57.75 |
| 1550 cc and over | 160.00 | 88.00 |

1 What is the difference in tax for cars with engines under and over 1550 cc for 12 months?

Work it out like this.
Engine size over 1550 cc - $£ 160.00$
Engine size under 1550 cc - £105.00
Saving


2
I shall buy a car with an engine of less than 1550 cc because it will be cheaper to tax. I am not sure if I shall be able to afford to pay car tax at the 12-month rate.

How much will it cost to tax the car for 6 months?

3 How much will it cost to tax the car for 12 months if you pay at the 6-month rate?

4 How much will you save in a year if you pay at the 12-month rate?


Answer questions 5 to 7 for a car with an engine over 1550 cc.

5 How much will it cost to tax this car for 6 months?


6 How much will it cost to tax the car for 12 months at the 6 -month rate?


7 How much will be saved in a year if tax is paid at the 12 -month rate?


## How much will it cost?

I have saved some money to buy a car. I do not have enough money to buy the car that I want, so I need to borrow some more money.

## Activity 9



As well as paying back the money borrowed, you have to pay interest to the bank.
How much interest will be paid on a loan of $£ 5000$ taken over 60 months?
A finance company tell Sharon that if $£ 5000$ is borrowed, the repayments will be $£ 113.99$ a month for 60 months.
$60 \times £ 113.99=£ 6839.40$
That means Sharon will have repaid the finance company £6839.40.

How much interest will Sharon pay?

## Remember

## Calculating interest

Interest = total amount paid - amount of loan
$£ 6839.40-£ 5000=£ 1839.40$

1 If Sharon borrows $£ 5000$ from a building society, she will have to pay $£ 102.81$ a month (for 60 months).
a How much will she pay the building society? $\qquad$
b How much interest will she pay? $\qquad$
2 If Sharon borrows $£ 5000$ from a bank she will have to pay $£ 107.29$ a month (for 60 months).
a How much will she pay the bank? $\qquad$
b How much interest will she pay? $\qquad$
3 Write the loans in order of cost, starting with the cheapest.

| Cost of loan |  |  |  |
| :--- | :--- | :--- | :--- |
| Lender |  |  |  |

## Activity 10

If I buy a car from a garage, I could apply for a car loan through the garage. This is part of an advertisement that was in my local paper.

- Cash price: $£ 5995.00$
- Deposit: £1000
- Followed by 35 monthly payments of $£ 119.08$
- Followed by final payment of $£ 2478.33$
- A $£ 95.00$ acceptance fee is payable with the first monthly payment and a $£ 40.00$ credit facility fee is payable with the last payment.

This is how Sharon worked out the cost.
Deposit $£ 1000.00$

Acceptance fee $£ 95.00$
$35 \times £ 119.08 \quad £ 4167.80$
Final payment $\quad £ 2478.33$
Credit facility fee $£ 40.00$
Total payment £.7781.13

1 a How much will this car cost?

She worked out the interest.
Interest $=$ total payment - cash price
Interest $=£ 7781.13-£ 5995.00=£ 1786.13$

b How much interest will be paid? $\square$
2 a How much will this car cost?

b How much interest will be paid? $\square-£ 10200=\square$

## Percentage rises and falls

Activity 11


How do I work out how much I must pay as a deposit?
$10 \%$ of $1600=1600 \div 10=160$
$20 \%$ of $1600=2 \times 160=320$


What percentage of the price is left to pay?
$100 \%-20 \%=80 \%$
How much is left to pay?
$£ 1600-£ 320=£ 1280$
The rest can be paid in equal amounts over 8 months.
How much will have to be paid each month?
$£ 1280 \div 8=£ 160.00$
Here are details of some cars I have seen.

| Car | Cash | Pay over <br> months | Deposit | Left to pay | Payment each month |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Fiesta | 1700 | 10 | $2 \times \ldots \ldots \ldots \ldots . .=\ldots \ldots \ldots \ldots \ldots$ | $1700-\ldots \ldots \ldots \ldots \ldots=\ldots \ldots \ldots \ldots \ldots$. | $\ldots \ldots \ldots \ldots \ldots . . \div 10=\ldots \ldots \ldots \ldots .$. |
| Clio | 1900 | 8 |  |  |  |
| Ka | 2250 | 9 |  |  |  |
| Micra | 1870 | 10 |  |  |  |
| Punto | 2340 | 6 |  |  |  |

Each car requires a $20 \%$ deposit. The rest can be paid off over the number of months shown.

Work out the deposit, what I still have to pay and how much I will have to pay each month.

I have saved $£ 400$ for the deposit. Does this influence which car I choose?

## Activity 12

My neighbour, Mick, is a car mechanic. He buys cars and does
them up. He adds on a percentage, which depends on how long the work takes him.
He needs to know how to work out the percentage increase. He uses the 10\% method to find percentages.

1 On one car he spent $£ 840$ and he decided to add $20 \%$. Fill in the blanks
$10 \%$ of $£ 840=$ $\qquad$
$20 \%$ of $£ 840$ is $2 \times$ $\qquad$ $=$ $\qquad$
Mick will add $\qquad$ to the cost of the car,

He will sell it for $\qquad$ $+$ $\qquad$ $=$ $\qquad$ (cost) (increase)

2 Mick bought a used car at a car auction for $£ 715.00$. He spent $£ 385.00$ on parts to repair the car. He makes a $20 \%$ profit on his total costs when he sells the car.

## Car costs

Purchase price $\qquad$
Parts cost $\qquad$
How much money does Mick spend on this car? $\qquad$
He decides to charge $20 \%$ for his work.
How much did Mick charge for his work?
$\qquad$
$\qquad$
Mick will sell the car for
3 Mick has to spend a lot of time on another car, although the parts for it were not as expensive. He decided to charge $35 \%$ for his work. He bought the car for $£ 675$ and the parts came to $£ 185$.

How much did Mick spend on this car?

How much did Mick charge for his work?
$\qquad$
$\qquad$
How much did Mick sell the car for? $\qquad$

## (1.) Activity 13



At college I used the Internet and found one service offering a percentage reduction if I join on-line.

## Normal price <br> On-line reduction

Roadside
£64.00
45\%
Recovery
£100.00
15\%
Comprehensive
£150.00
20\%
$10 \%$ of $£ 64$ is $\qquad$
$5 \%$ of $£ 64$ is $\qquad$
You can work out the percentage reduction for roadside cover like this.
$45 \%$ of $£ 64=4 \times$ $\qquad$ $+$ $\qquad$
$=$ $\qquad$ (reduction)
£64 - $\qquad$ $=$ $\qquad$
So the reduced cost is $\qquad$
$£ 64$ reduced by $45 \%$ is $£ 35.20$
1 Work out the on-line cost for recovery cover.
$\qquad$
$\qquad$


2 Work out the on-line cost for comprehensive cover.
$\qquad$
$\qquad$
$\square$
3 Which type of cover has the largest percentage reduction?

## How far is it?



## (1) Activity 14

I want to find out how far it is from Coventry to places I need to drive to. It will help me to estimate how many miles I drive in a year.


Scale: 1 cm to 3 miles.

Use a ruler marked in centimetres to measure the distance from Coventry to Warwick. Coventry to Warwick is 5 cm .

Work out the actual distance like this.
$1 \mathrm{~cm}=3$ miles, so work out how many miles it is to Warwick. This is how you work it out.
$5 \mathrm{~cm}=5 \times 3$ miles $=15$ miles.
It is 15 miles from Coventry to Warwick.
Use a ruler marked in centimetres to measure the distances on the map.
Work out the actual distances in miles.
1 I drive to Nuneaton to see a friend.
The distance on the map is $\qquad$ cm .

The actual distance is $\qquad$ miles.

2 I drive my parents to Birmingham New Street Station to catch a train.
The distance on the map is $\qquad$ cm .

The actual distance is $\qquad$ miles.

3 I drive to Rugby to visit my brother.
The distance on the map is $\qquad$ cm .

The actual distance is $\qquad$ miles.

## Activity 15

A road distance chart is useful when trying to work out long journeys.
Distance in miles


Distance charts do not include every city and town. I live in Coventry but Coventry is not on the distance chart. Birmingham is quite close to Coventry so I can look up distances from Birmingham.

## Tip

Using a distance chart
To find the distance between London and Newcastle, look down the column labelled London until you reach the row labelled Newcastle.

Read the value: 274 miles.

I have friends and relations in different parts of the country. It would be great to be able to visit them.

1 My aunt lives in Cardiff.
The distance between Birmingham and Cardiff is


2 My sister lives in Glasgow.
The distance between Birmingham and Glasgow is
 miles.

3 My friend lives in York.
The distance between Birmingham and York is


4 We go to Manchester in the summer.
The distance between Birmingham and Manchester is


5 Use the distance chart to work out the total distance of the following trip.
Birmingham to York to Manchester to Birmingham is $\qquad$
This is a total of miles.

6 Plan a route between some of the towns and cities in the table.
Write it down and work out the total distance.

## Feeding the beast



## Activity 16

Petrol consumption figures are given in miles per gallon (mpg). Petrol is now sold in litres.

Here's how to convert (approximately) from miles per gallon to miles per litre (mpl):

1 litre is approximately equal to 0.22 gallons.
Miles per gallon $\times 0.22=$ miles per litre
$30.4 \mathrm{mpg}=30.4 \times 0.22=6.688 \mathrm{mpl}=6.7 \mathrm{mpl}$ (to 1 decimal place $)$
so 30.4 mpg is approximately the same as 6.7 mpl .
Work out the petrol consumption for each car in miles per litre.


Write your answer to one decimal place.
Engine size (cc) Miles per gallon (mpg) Miles per litre (mpl)
$11.0 \quad 37.9 \mathrm{mpg}$
21.6
32.7 mpg
32.0
29.5 mpg

$\square$

## Activity 17

I want to work out how many litres of petrol different cars will use in a year. I estimate that I will drive around 10000 miles each year.


Work out the number of litres of petrol used in a year. Give the answer to the nearest whole number of litres.

## Remember

## Rounding to the nearest whole number

If the first digit after the decimal point is less than 5 , it is nearer to the whole number that is written. For example, $234.41=234$ to the nearest whole number.

If the first digit after the decimal point is 5 or more, it is nearer to the next whole number. For example $234.65=235$ to the nearest whole number.


The car does approximately 6.7 miles to the litre.
Number of miles per litre $=6.7$.
Total number of miles driven in a year $\quad=10000$
Number of litres used $\quad 10000 \div 6.7$ litres $=1492.5373$ litres
Answer to the nearest whole number of litres $=1493$ litres
Imagine that you drive around 10000 miles each year and answer the questions.

1 How many litres of petrol will each car use? Give your answer to the nearest litre.

| Engine size (litres) | Miles per litre | Number of litres |
| :--- | :---: | :--- |
| 1.3 | 8.8 |  |
| 1.6 | 6.6 |  |
| 2.0 | 6.5 |  |

2 Which car will be the most economical to run? $\square$

## (1.) Activity 18

You want to find out how much a year's supply of unleaded 95 octane petrol will cost.

You also want to work out how much of this the Inland Revenue will take in tax! You can choose to buy your petrol at a garage or at a big supermarket.

|  | Average price per litre | Tax |
| :--- | :---: | :---: |
| Garages | 74.9 p | $75 \%$ |
| Supermarkets | 73.2 p | $77.5 \%$ |

You can work out how much 1135 litres of petrol will cost if you buy it at a garage.

Garage petrol costs
74.9 pence a litre

1135 litres costs
$1135 \times 74.9 p=85011.5 p$
It is easier to understand the cost if you divide by 100 to change it from pence to pounds.
$85011.5 \div 100=£ 850.115$ which is $£ 850.12$ to the nearest penny.

1 Work out the cost of petrol for the cars in Activity 17 at garage prices. Fill in the table.

| Engine size (litres) | Miles per litre | Number of litres | Cost (to nearest penny) |
| :--- | :---: | :--- | :--- |
| 1.3 | 8.8 |  |  |
| 1.6 | 6.6 |  |  |
| 2.0 | 6.5 |  |  |

How much of this will the Inland Revenue take in tax?
Here are two ways of working out $75 \%$. If I want to know how much the Inland Revenue gets when I buy petrol at a garage, I can do:

A the $10 \%$ method

$$
\begin{aligned}
10 \% \text { of } £ 850 & =£ 850 \div 10=£ 85 \\
75 \% \text { of } £ 850 & =7 \times £ 85+\frac{1}{2} \text { of } £ 85 \\
& =£ 595+£ 42.50 \\
& =£ 637.50
\end{aligned}
$$

B using known percentages

$$
\begin{aligned}
75 \% \text { is } 50 \% & +25 \% \\
75 \% \text { of } £ 850 & =50 \% \text { of } £ 850+25 \% \text { of } £ 850 \\
& =\frac{1}{2} \text { of } £ 850+\frac{1}{4} \text { of } £ 850 \\
& =£ 425+£ 212.50=£ 637.50
\end{aligned}
$$

2 Assume you use about 1200 litres of petrol each year. Work out the cost of the petrol in pounds, from the garage, to the nearest penny. Then find out how much of this money the Inland Revenue will take in tax.

1200 litres of petrol @ $\qquad$ p each litre costs p $=£$

## 10\% method

$10 \%$ of $£$ $\qquad$
$75 \%$ of $£$ $=7 \times$ $\qquad$ $+\frac{1}{2}$ of
$=$. $\qquad$ $+$ $\qquad$

$$
=£ \ldots
$$

$\qquad$
$\qquad$

Check your answer, using $50 \%$ and $25 \%$.
$50 \%$ of $£$ $\qquad$ $=$ $\qquad$
$25 \%$ of $£$ $\qquad$ $=$ $\qquad$
$75 \%$ of $£$ $\qquad$ $=$ $\qquad$

3 a My local garage charges 78.9 p a litre for unleaded 95 octane petrol.
How much will it cost to buy a year's supply of petrol (1200 litres) from that garage?
$\qquad$

b Tax is $75 \%$. How much tax will I pay?


Check your answers by using another method.
$\qquad$
$\qquad$

