

## NCFE Level 1 Functional Skills Qualification in Mathematics (603/5055/6)

Paper number: P001255  
Section A: Non-calculator Test



**Time allowed:** 30 minutes

### Learner instructions

- Answer **all** questions.
- Read each question carefully.
- Write your answers in the spaces provided.
- Show your working, as marks may be awarded for working.
- State units in your answers, where appropriate.
- Check your work.

### Learner information

- Section A contains **Activity 1** only.
- The maximum mark for this section is **15**.
- The marks available for **each** question are shown in brackets.

### Resources

You will need a:

- pen, with black or blue ink
- pencil and eraser
- 30 cm ruler
- protractor.

To be completed by the examiner		Mark
A	Activity 1	/ 15
B	Activity 2	/ 15
	Activity 3	/ 15
	Activity 4	/ 15
TOTAL MARK		/ 60

If extra pages are used, please make sure your name and centre name are on them and they are securely fastened to this booklet.

**Please complete the details below clearly and in BLOCK CAPITALS.**

Learner name \_\_\_\_\_

Centre name \_\_\_\_\_

Learner number

Centre number

**Do not turn over until the invigilator tells you to do so.**

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past paper

## Activity 1: New car

1 (a) Dennis thinks he is spending too much money on fuel for his car.

He uses this formula to work out how much fuel in **litres** he uses in a year.

$$\boxed{\text{Fuel used in litres}} = \boxed{\text{Distance travelled in miles}} \times \boxed{4.5} \div \boxed{\text{Miles per gallon}}$$

Last year he travelled 10 000 miles.

His car did 40 miles **per gallon**.

How many **litres** of fuel did Dennis use last year?

[3 marks]

Your answer:

litres

Please turn over

**1 (b)** The average cost of petrol last year was £1.29 per litre.

How much did it cost Dennis last year for 100 litres of petrol?

**[2 marks]**

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Your answer:

£

**1 (c)** Dennis takes a loan out to buy a car.

He borrows £4000

He will pay 5% interest on the loan.

Calculate £4000 increased by 5%

**[2 marks]**

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Your answer:

£

- 1 (d)** Dennis looks for a car to buy.  
There are 396 cars advertised.  
25% of them are diesel cars.  
What is 25% of 396?

**[2 marks]**

<p>Your answer:</p>
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**Please turn over**



1 (e) Dennis finds 20 cars that he could buy.

He writes down how many miles each one has travelled.

45 565	55 421	69 720	62 483	72 596
48 010	58 750	63 245	67 328	79 812
49 950	63 500	64 750	75 005	81 505
53 250	68 600	60 500	72 975	81 099

Use the data to complete the frequency table below.

[2 marks]

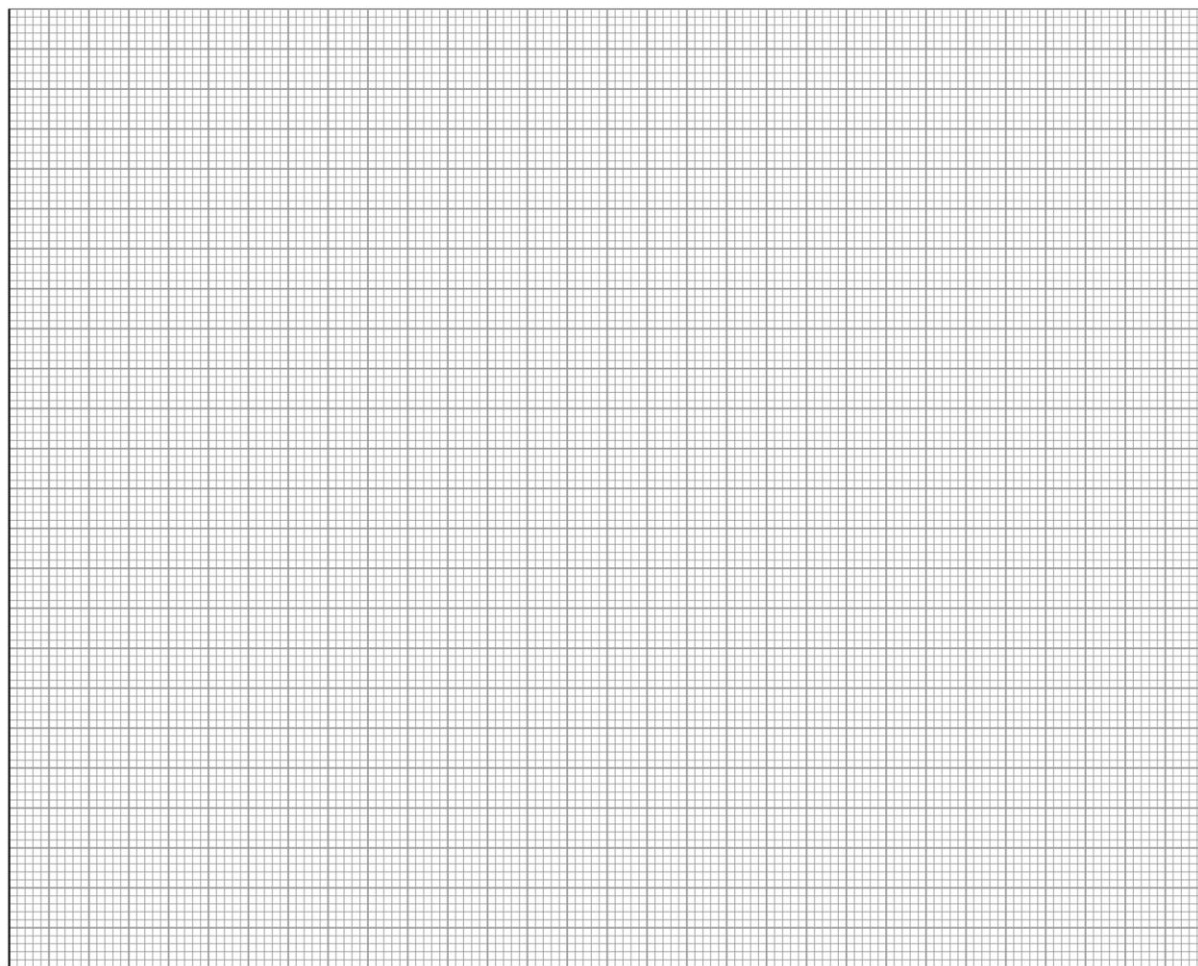
Mileage	Frequency
	3
50 000 to 59 999	3
60 000 to 69 999	8
70 000 to 79 999	
80 000 to 89 999	2

**1 (f)** Draw a frequency chart.

Use the data from the completed table in question **1 (e)**.

**[4 marks]**

**Chart to show miles travelled**



**[Total marks: 15]**

**This is the end of Section A.**



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