



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 _____

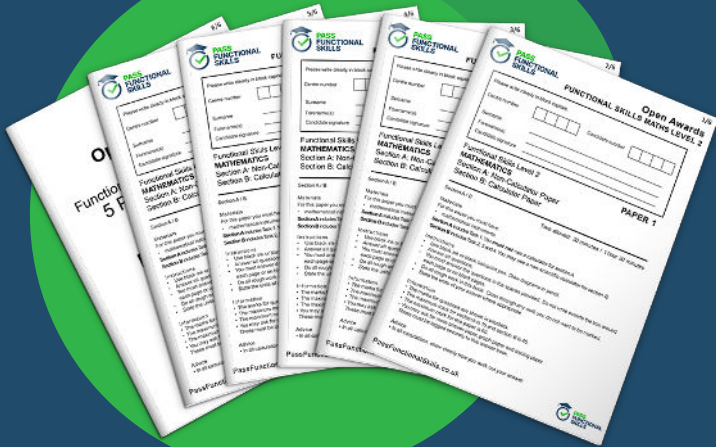
Learner number

Centre number

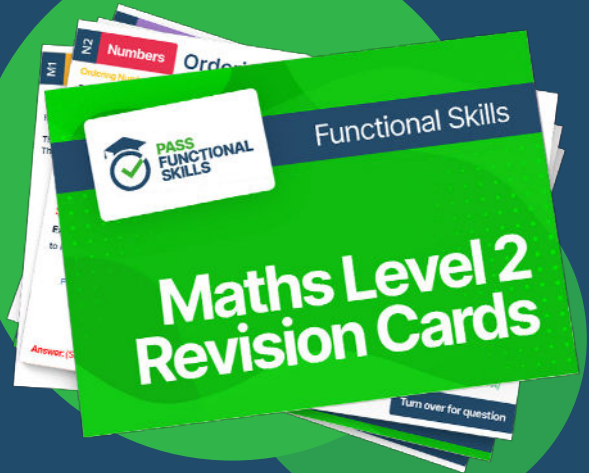
Do not turn over until the invigilator tells you to do so.



PASS
FUNCTIONAL
SKILLS



Functional Skills Maths
Level 2 Practice Papers



Functional Skills Maths
Level 2 Revision Cards



Functional Skills English Level 2
Practice Papers & Revision Cards



Functional Skills Maths
Level 2 Pocket Revision Guide

Or visit

passfunctionalskills.co.uk

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]

$$\begin{aligned} \text{Fuel used} &= 10000 \times 4.5 \div 40 \\ &= 45000 \div 40 \end{aligned}$$

$$40 \overline{) 45000} \begin{array}{r} 01125 \\ \underline{45} \\ 5000 \\ \underline{40} \\ 1000 \\ \underline{80} \\ 200 \\ \underline{200} \\ 0 \end{array}$$

$$45000 \div 40 = 1125 \text{ ~~litres~~ litres}$$

Your answer:

1125 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]

$$100 \times \text{£}1.29 = \text{£}129$$

Your answer:

£ 129

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]

$$\text{£}4000 \times 0.05 = \text{£}200$$

$$\text{£}4000 + \text{£}200 = \text{£}4200$$

Your answer:

£ 4200



- 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]

25% is the same as $\div 4$

$$\begin{array}{r} 099 \\ 4 \overline{) 396} \end{array}$$

Your answer:

99

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.

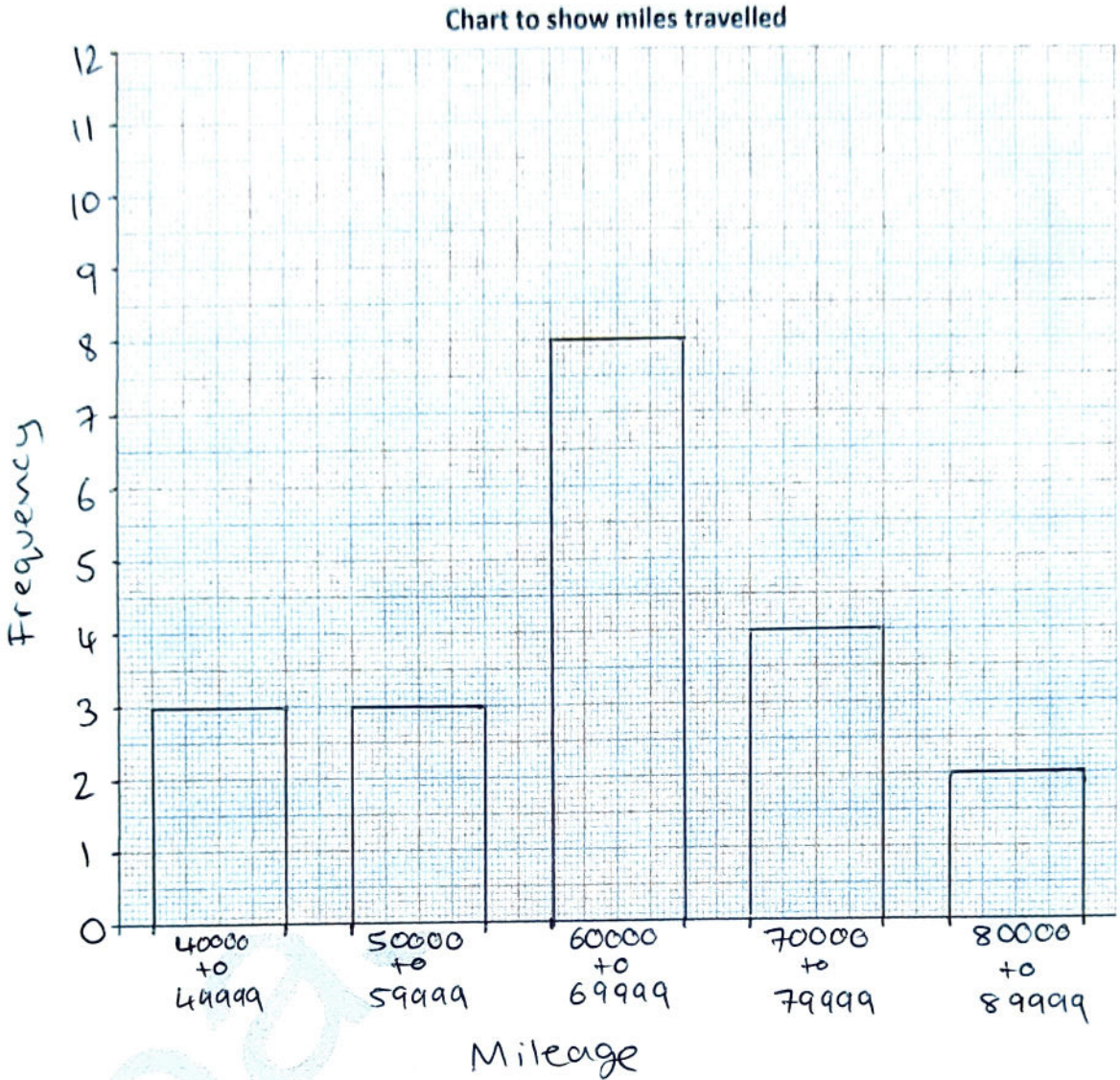
[2 marks]

Mileage	Frequency
40 000 to 49 999	3
50 000 to 59 999	3
60 000 to 69 999	8
70 000 to 79 999	4
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]



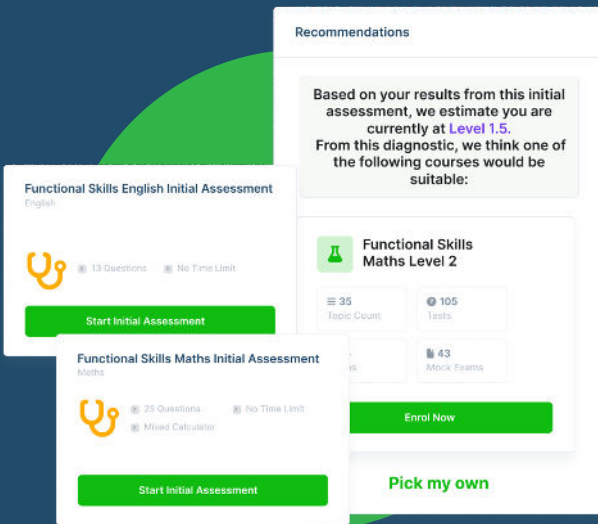
[Total marks: 15]

This is the end of Section A.



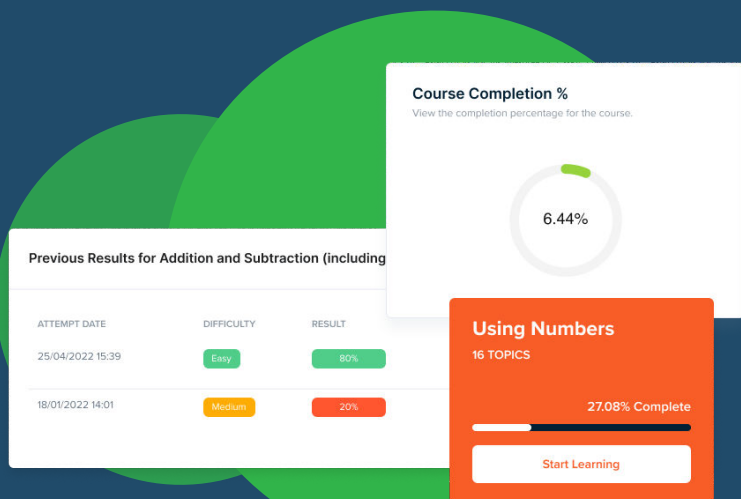
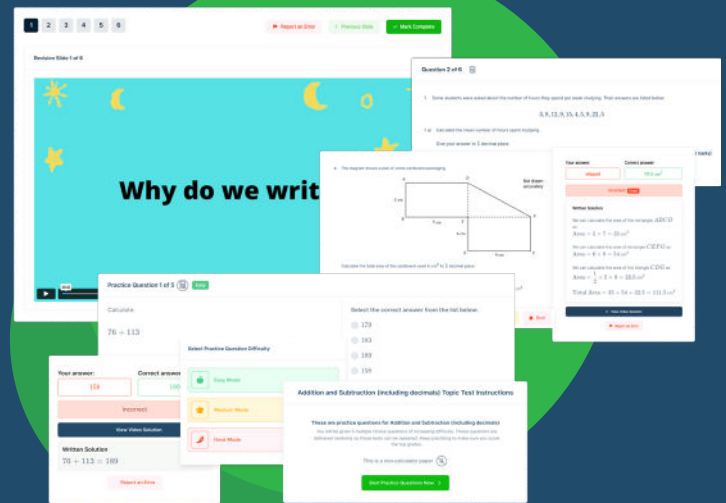


FUNCTIONAL SKILLS ONLINE COURSES



- ✓ Your answers are analysed to determine your Current Level
- ✓ Suggested courses for you to enrol on based on your calculated level
- ✓ Always know the level you are currently working at
- ✓ Determine when you are ready to sit your exam

- ✓ Explainer videos on every topic
- ✓ Quick-fire style multiple choice questions
- ✓ Test your knowledge with exam-style questions
- ✓ Written solutions for all questions



- ✓ See your progress through as you progress through each topic area
- ✓ Get your average scores for practice questions, topic tests and mock exams
- ✓ View all practice question, topic test and mock exam attempts over time
- ✓ View historical attempts to analyse your progress over time

Or visit

passfunctionalskills.co.uk