



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

Paper number: P001254
Section A: Non-calculator Test



Assessment window: Monday 9 December 2019 – Friday 13 December 2019
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

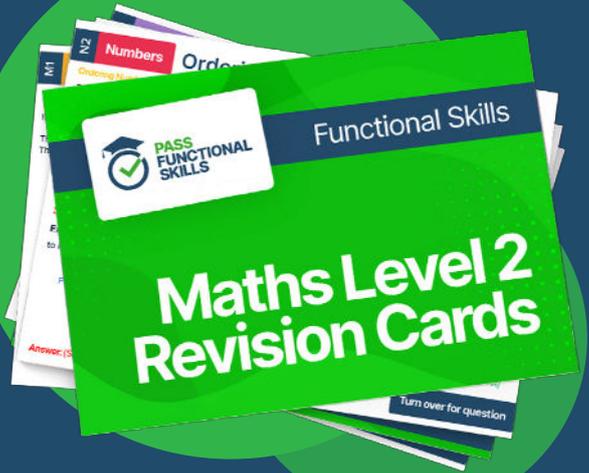
Do not turn over until the invigilator tells you to do so.



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: Starting a business

1 (a) Denise starts up a business making candles.

She borrows £2500 for one year.

The interest on the loan is 5% per year.

How much will Denise pay back in total?

[2 marks]

$$2500 \times 1.05 = 2625$$

Your answer:

£ 2625

Please turn over

1 (b) Denise needs wax to make candles.

She wants to know how much wax, in kilograms (kg), she needs to buy.

She uses this calculation:

$$\frac{870 \times 1.5}{10^2}$$

How much wax will Denise need to buy?

[3 marks]

$$\frac{870 \times 1.5}{10^2} = \frac{1305}{100} = 13.05 \text{ kg}$$

Your answer:

13.05

kg

1 (c) Denise decides to buy 10 kg of wax.

She finds these deals:

Deal A Wax <u>£34.99</u> <u>per 10 kg</u>	Deal B Wax <u>75p</u> <u>per 200 g</u>
--	---

Which is the better deal?

Show your working.

[3 marks]

A: £34.99 for 10kg

B: 75p for 200g

10kg = 50 × 200g

75p × 50 = £37.50

So deal A is better.

Your answer:

A

Please turn over

1 (d) Denise needs 30000 millimetres (mm) of ribbon to decorate the candles.

Write 30000 mm in metres (m).

[2 marks]

$$30000_{mm} \div 1000$$
$$= 30_m$$

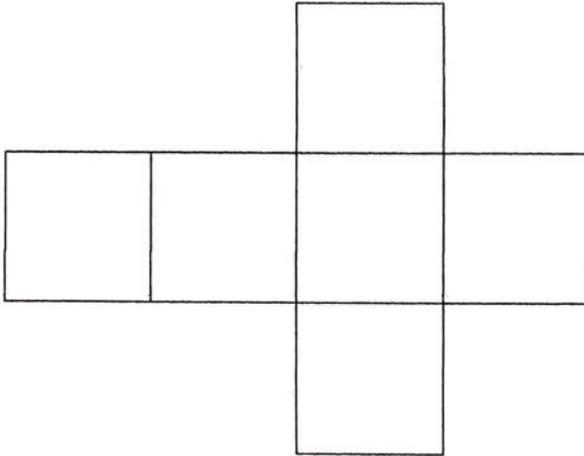
Your answer:

30 m

past paper

1 (e) Denise needs to buy some boxes for the candles.

This is the net of the box she chose:



The net is made up of six squares.

What shape will the box be?

[1 mark]

Your answer:

Cube

Past Paper

Please turn over

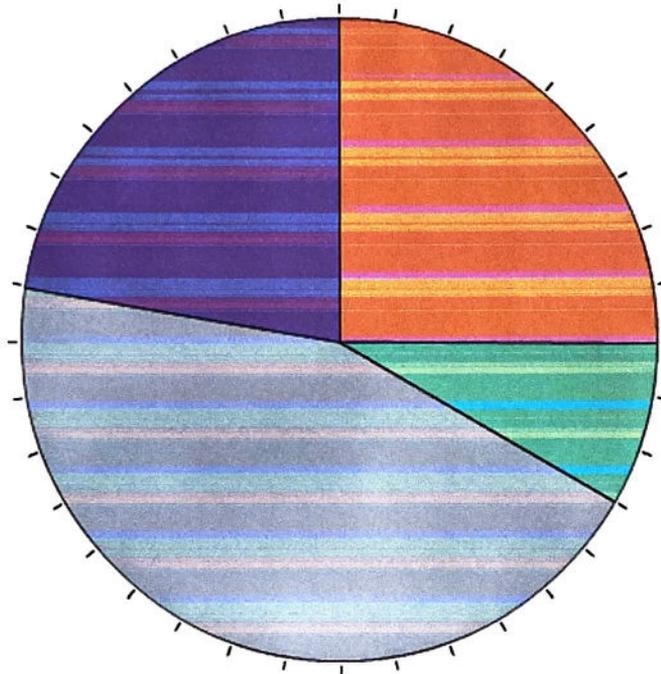
1 (f) Denise sells candles for two weeks.

She wants to compare the number and type of candles she sold in **Week 1** with the number and type of candles she sold in **Week 2**.

After the second week of selling candles, Denise wants to produce a pie chart to compare sales of candles from Week 1 and Week 2.

This is the pie chart for candles she sold in **Week 1**.

Candles sold in Week 1



Type

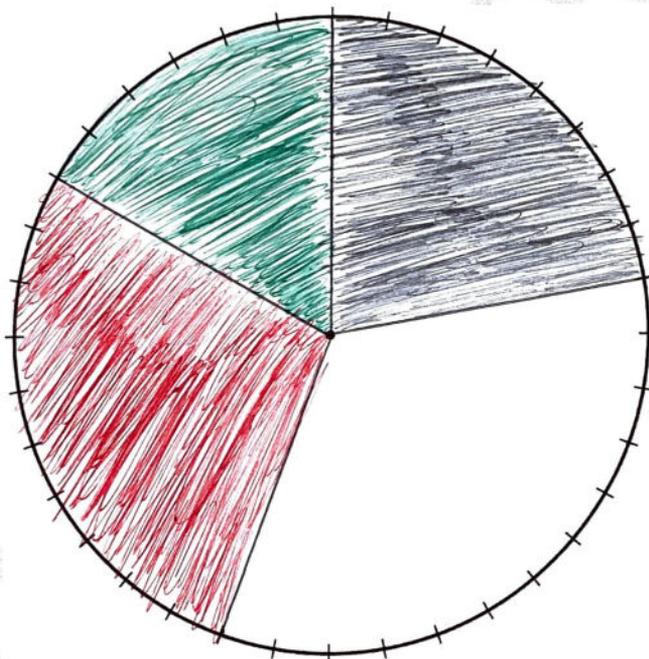
	Vanilla
	Lavender
	Cherry
	Linen

This table shows the number and type of candles sold in **Week 2**.

Type of the candle	Number of candles sold in Week 2
Vanilla	80
Lavender	120
Cherry	100
Linen	60

Draw and label the pie chart below for **Week 2**.

Candles sold in Week 2



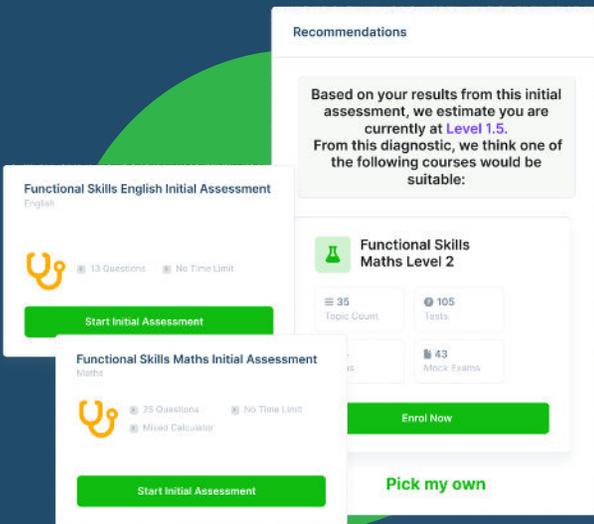
Type

	Vanilla
	Lavender
	Cherry
	Linen

Please turn over

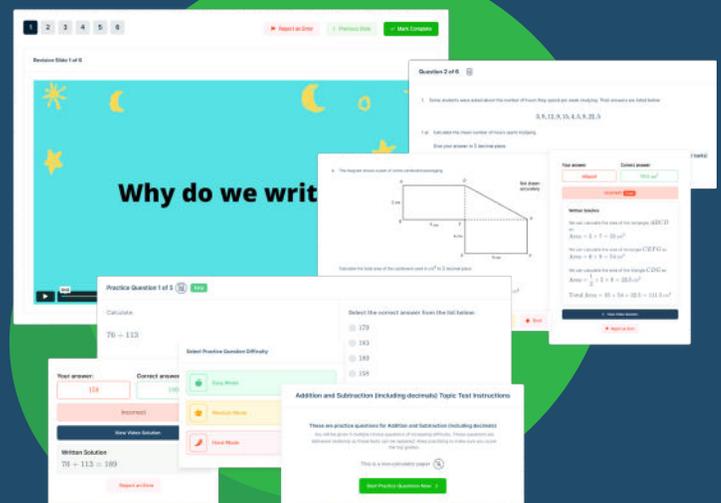


FUNCTIONAL SKILLS ONLINE COURSES



- ✓ 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