

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.

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

Resources

You will need a:

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

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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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]

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Your answer:

£

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]



Your answer:

kg

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

She finds these deals:

<p>Deal A</p> <p>Wax £34.99 per 10 kg</p>	<p>Deal B</p> <p>Wax 75p per 200 g</p>
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Which is the better deal?

Show your working.

[3 marks]

Working area for the calculation.

Your answer:

Answer box.

Please turn over

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

Write 30000 mm in metres (m).

[2 marks]

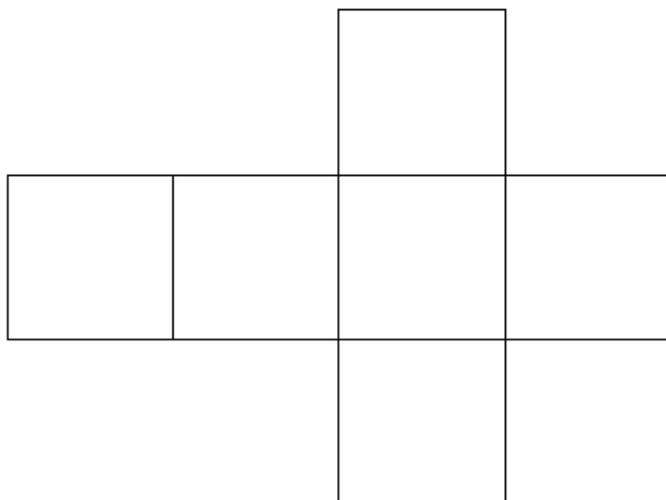
Your answer:

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:

Please turn over

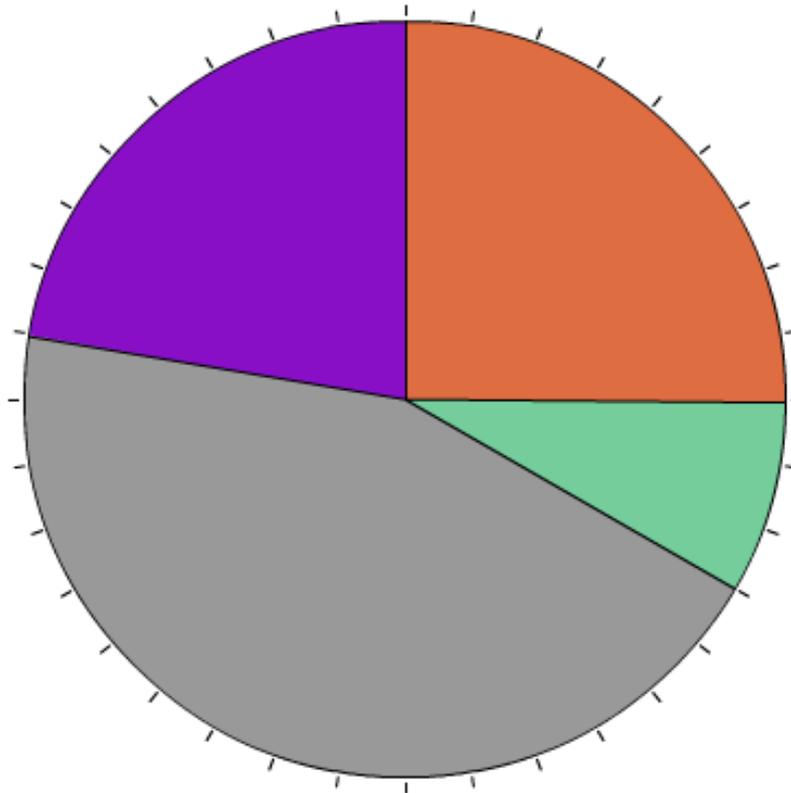
1 (f) Denise sells candles for two weeks.

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

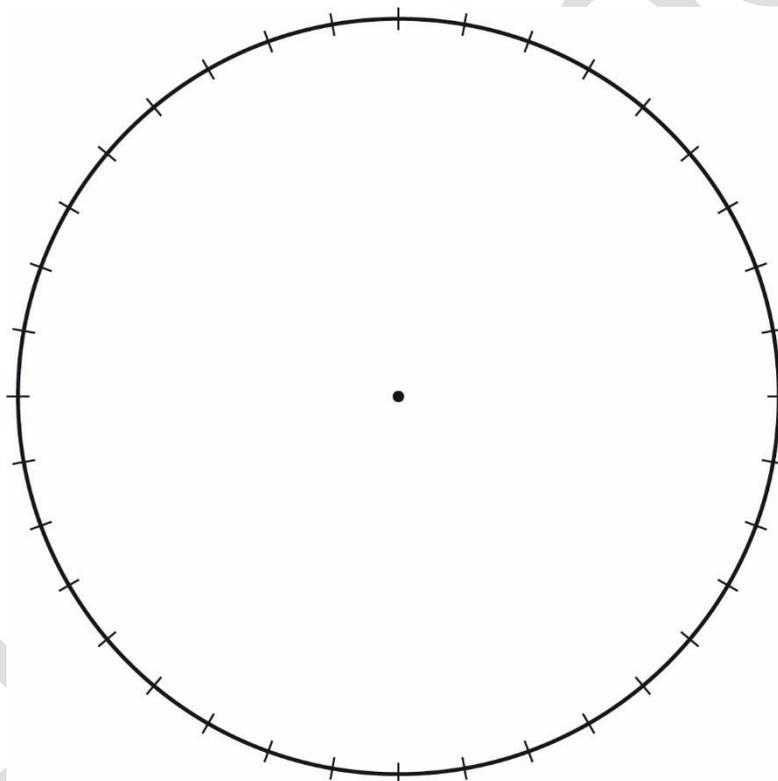
	Vanilla
	Lavender
	Cherry
	Linen

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

Make **one** comparison between **Week 1** and **Week 2**.

[4 marks]

[Total marks: 15]

This is the end of Section A.

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