

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

Paper number: P001371
Section A: Non-calculator Test



Assessment window: Monday 7 September 2020 – Friday 11 September 2020
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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Activity 1: Boarding kennels

1 (a) Boarding kennels look after cats and dogs.

Linda is setting up a boarding kennel business.

She researches other kennels and finds that:

- $\frac{3}{8}$ of kennels take dogs only
- $\frac{2}{5}$ of kennels take cats only.

Linda thinks that more kennels take dogs only than take cats only.

Is she correct?

Show how you decide.

[2 marks]

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Your answer:

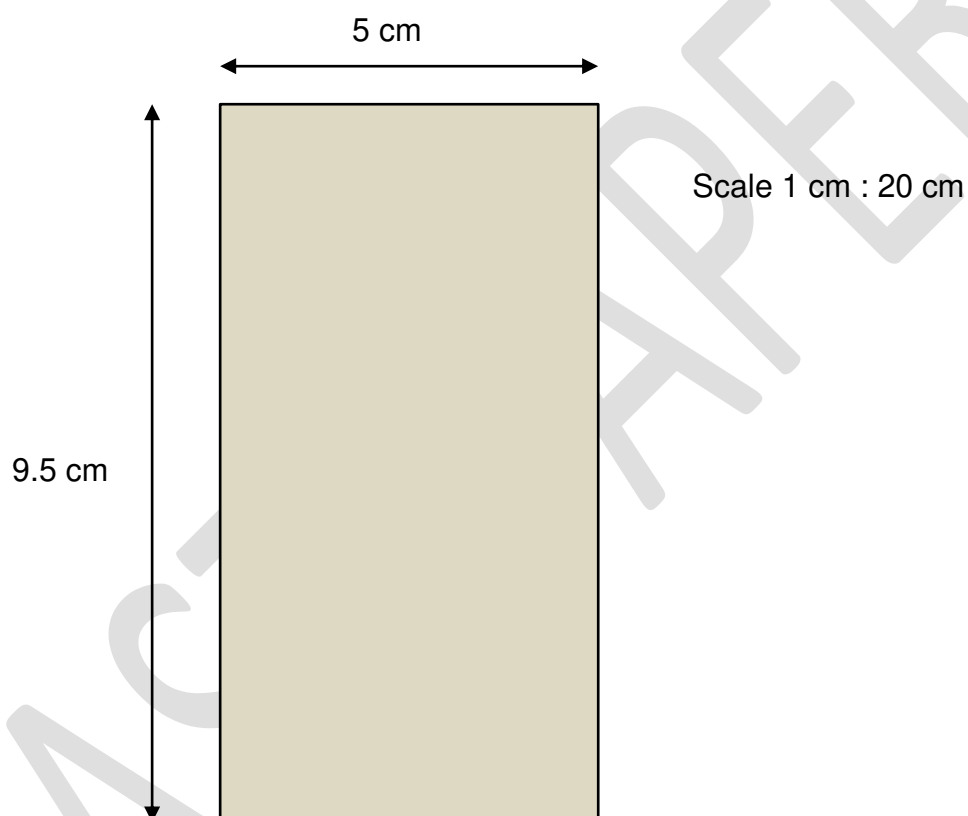
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Please turn over

- 1 (b)** Boarding kennels have enclosures where the animals sleep.

Each enclosure must be a minimum of 1.8 m high and 0.9 m wide.

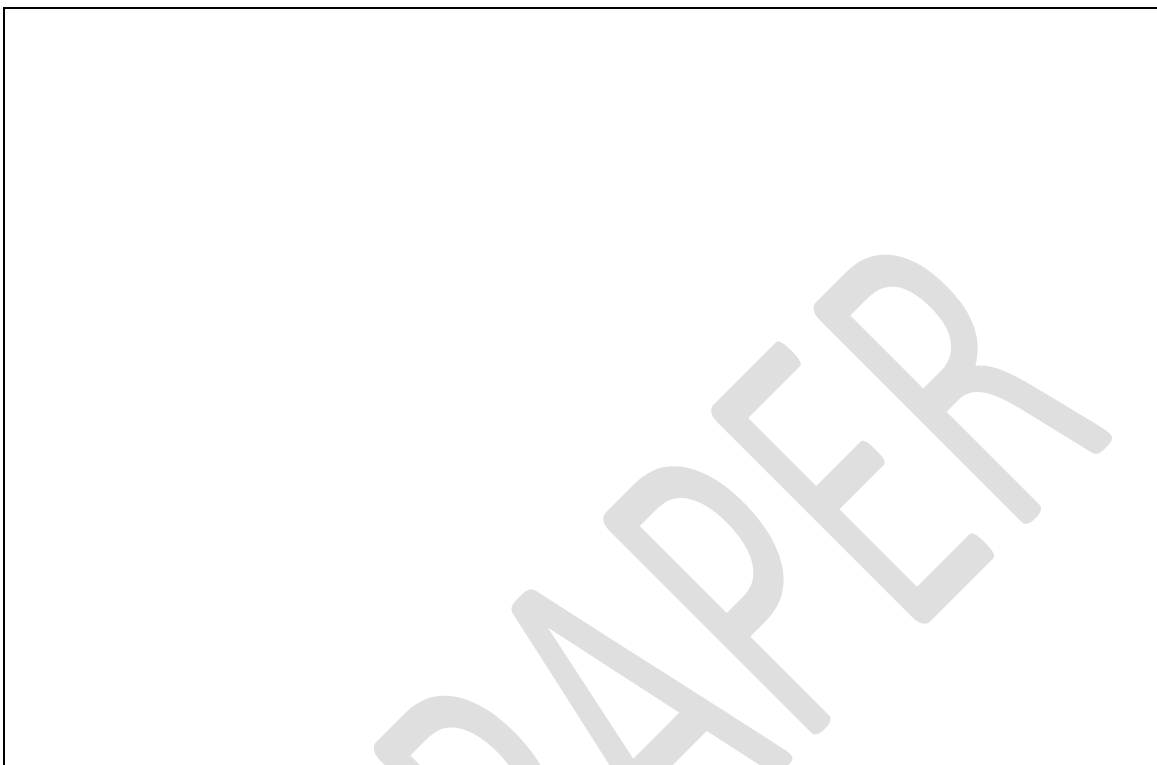
This is a scale diagram showing the front view of an enclosure Linda wants to install.



Is this enclosure big enough?

Show how you decide.

[4 marks]



Your answer:



Please turn over

1 (c) Linda knows the ratio of staff to dogs needs to be 1 : 15

How many staff will she need for 30 dogs?

[1 mark]

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Your answer:

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1 (d) Linda places an online advert for her business.

She pays £0.98 each time someone clicks on her advert.

How much will it cost her if 100 people click on her advert?

[1 mark]

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Your answer:

£

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- 1 (e)** Linda looks at the cost of placing 6 half-page adverts in a local newspaper:

Advert size	Cost	
	3 Adverts	6 Adverts
Full Page	£330	£600
Half Page	£240	£450
Quarter Page	£150	£270

Linda sees these offers:

- **Offer A:** place 3 adverts and get 10% off the cost.
- **Offer B:** place 6 adverts and get $\frac{1}{5}$ off the cost.

She chooses **Offer B**.

How much will she save by choosing **Offer B** instead of **Offer A**?

[4 marks]

Your answer:

£

Please turn over

- 1 (f)** Linda also sells pet food.

The table shows Linda's takings in the first week:

£10.50	£5	£6.30	£7.20	£15	£8	£14.20	£6.50	£8
£5.67	£10.60	£13	£14.50	£15.78	£7.50	£3.40	£5.60	£4.55

Complete the frequency table for this data.

[3 marks]

£0 – £4.99	
£5 – £9.99	
£10 – £14.99	
£15+	
Total:	

[Total marks: 15]

This is the end of Section A.

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