


NCFE Entry Level 3 Functional Skills Qualification in Mathematics (603/5061/1)

Paper number: Paper 1
Section B: Calculator Test



Time allowed: 1 hour 15 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.
- This shows you where to write your working and answers. 
- State units in your answers, where appropriate.
- Check your work.

Learner information

- The maximum mark for this section is **30**.
- The marks available for **each** question are shown in brackets.

| To be completed by the assessor | | Mark |
|---------------------------------|------------|------|
| B | Activity 2 | / 10 |
| | Activity 3 | / 10 |
| | Activity 4 | / 10 |

Resources

You will need:

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

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

Learner name _____

Centre name _____

Learner number

Centre number

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

Activity 2: Eating out

Kate goes to the burger bar.

2(a) Kate and her seven friends are having a meal.

Two people are vegetarian.

What fraction are vegetarian?

[1 mark]



2(b) Their meals cost £152 in total.

They divide the total cost equally between all of them.

How much does each person pay?

[2 marks]



2(c) The total for their drinks is £70

How much does each person pay to the nearest whole pound?

Show your working.

[3 marks]



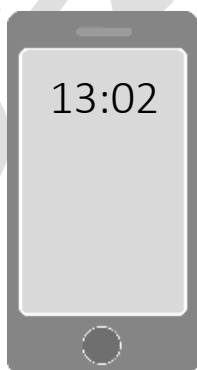
Blank area for showing working.

2(d) Kate leaves the restaurant at 13 minutes to two in the afternoon.

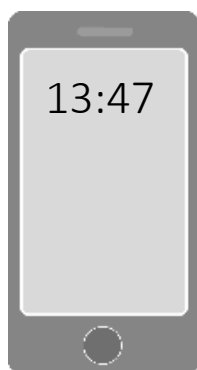
Which phone shows this time?

Tick (✓) your answer.

[1 mark]



A ()



B ()



C ()



D ()



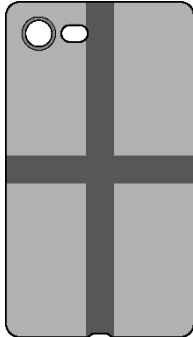
Please turn over

2(e) Kate's phone case has black stripes along all of the lines of symmetry.

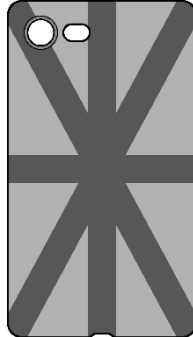
Which of these is Kate's phone case?

Tick (✓) your answer.

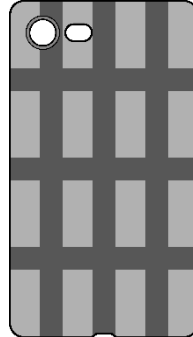
[1 mark]



A ()



B ()



C ()



D ()



2(f) Kate wants to catch a bus home.

The buses leave at regular intervals.

The most recent buses left at 14:04, 14:19 and 14:34

What time is the next bus?

[2 marks]

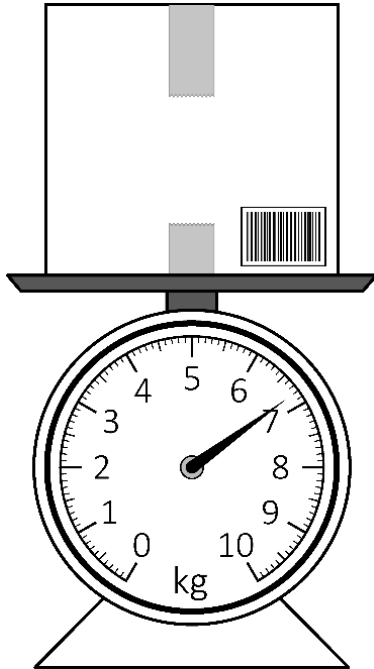


[Total marks: 10]

Activity 3: Working at the burger bar

Jadon is a cleaner at the burger bar.

3(a) Jadon uses bottles of cleaning product.



The bottles are packed in boxes.

Jadon thinks the box weighs more than 700 g

Is he correct?

Explain your answer.

[2 marks]



Please turn over

3(b) This graph shows the amount of cleaning product Jadon uses.

In May he uses 130 litres.

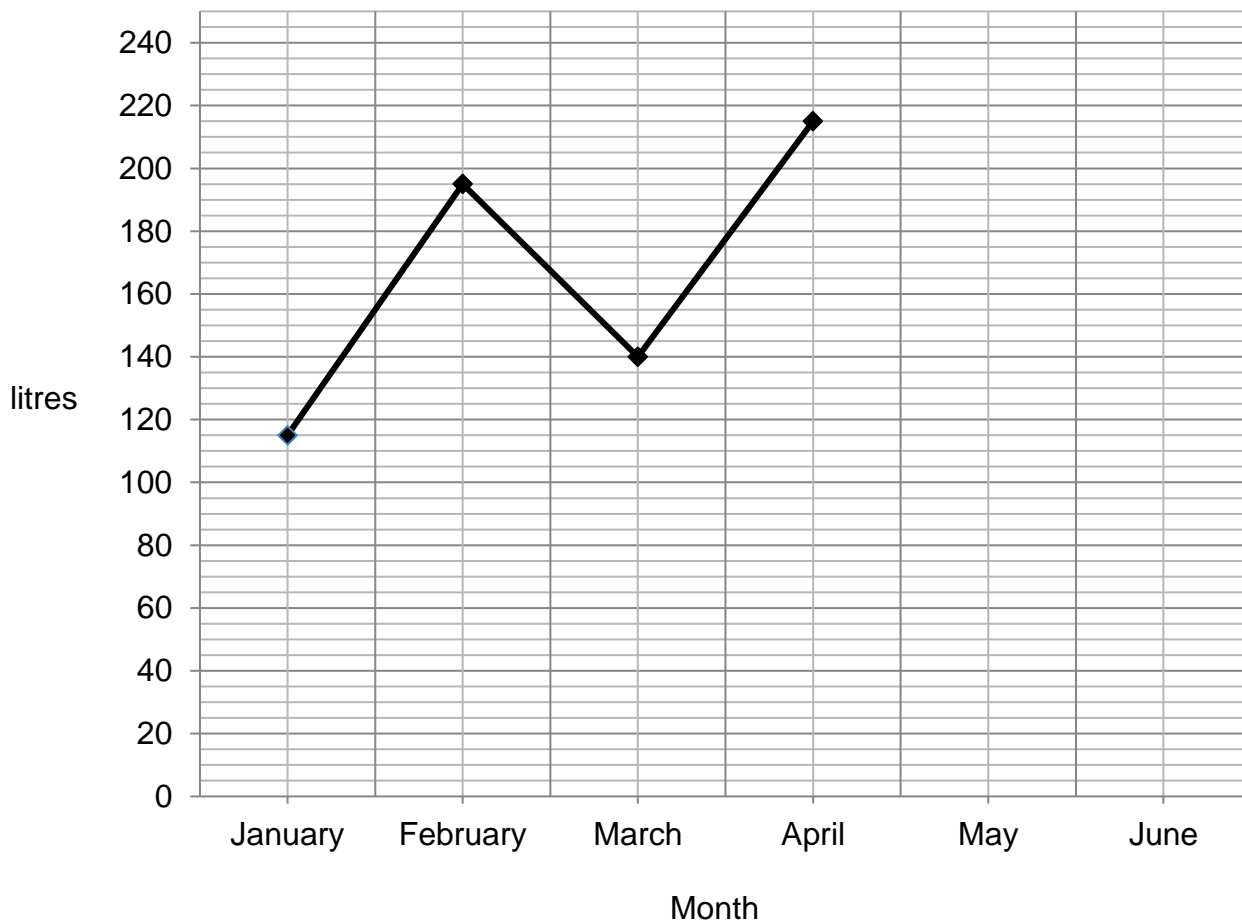
In June he uses 195 litres.

Complete the graph by adding the amounts for May and June.

[2 marks]



Cleaning product used



3(c) Jadon used a total of 990 litres for the whole year.

This is 293 litres more than last year.

How many litres did he use last year?

[2 marks]



Blank area for writing the answer to question 3(c).

3(d) Jadon orders more cleaning product.

He needs 200 litres.

One bottle holds eight litres.

How many bottles does he need to order?

[2 marks]



Blank area for writing the answer to question 3(d).

Please turn over

3(e) Jadon uses 0.25 litres of cleaning product in each bucket of water.
He checks the amount of product after each bucket is used.
Complete the table to show how much cleaning product he uses.

[2 marks]



| Buckets used | Cleaning product used (litres) |
|--------------|--------------------------------|
| 1 | 0.25 |
| 2 | 0.5 |
| 3 | 0.75 |
| 4 | |
| 5 | |

[Total marks: 10]

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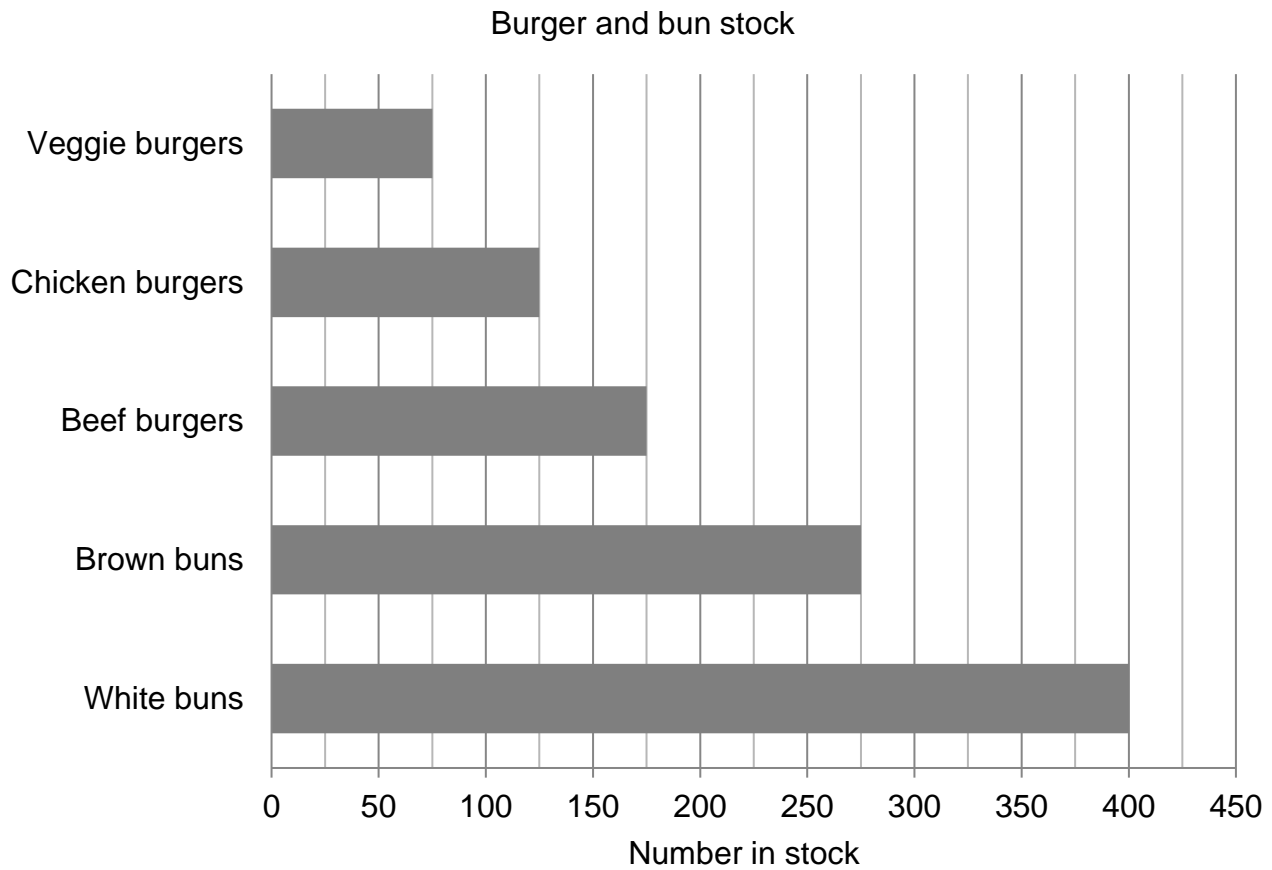
past paper

Please turn over

Activity 4: The manager

Simon is the manager of the burger bar.

4(a) Simon checks the stock of burgers and buns.



How many more white buns than brown buns does he have in stock?

[2 marks]



4(b) Simon needs to keep the stock of each type of bun at 400 and the stock of each type of burger at 150.

Tick (✓) the items he needs to order.

[1 mark]



| Item | Need to order |
|----------------|---------------|
| Veggie burger | |
| Chicken burger | |
| Beef burger | |
| Brown buns | |
| White buns | |

4(c) The burgers are kept in a fridge.

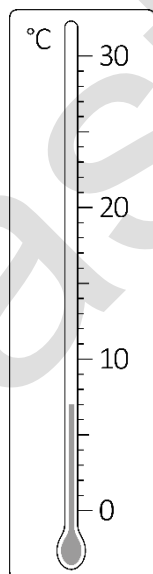
The temperature in the fridge needs to be above 3°C and below 5°C.

The restaurant has four fridges.

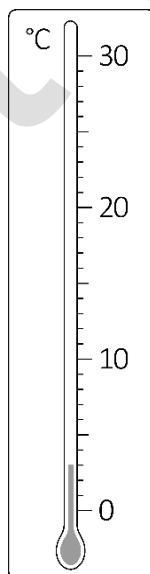
Which fridge should Simon put the burgers in?

Tick (✓) your answer.

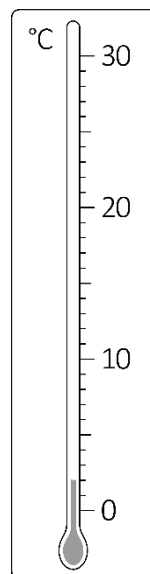
[1 mark]



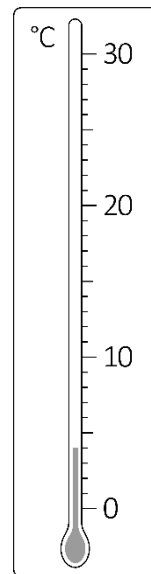
A ()



B ()



C ()



D ()



Please turn over

4(d) Simon keeps a record of the number of customers they serve in the burger bar.

These are the results.

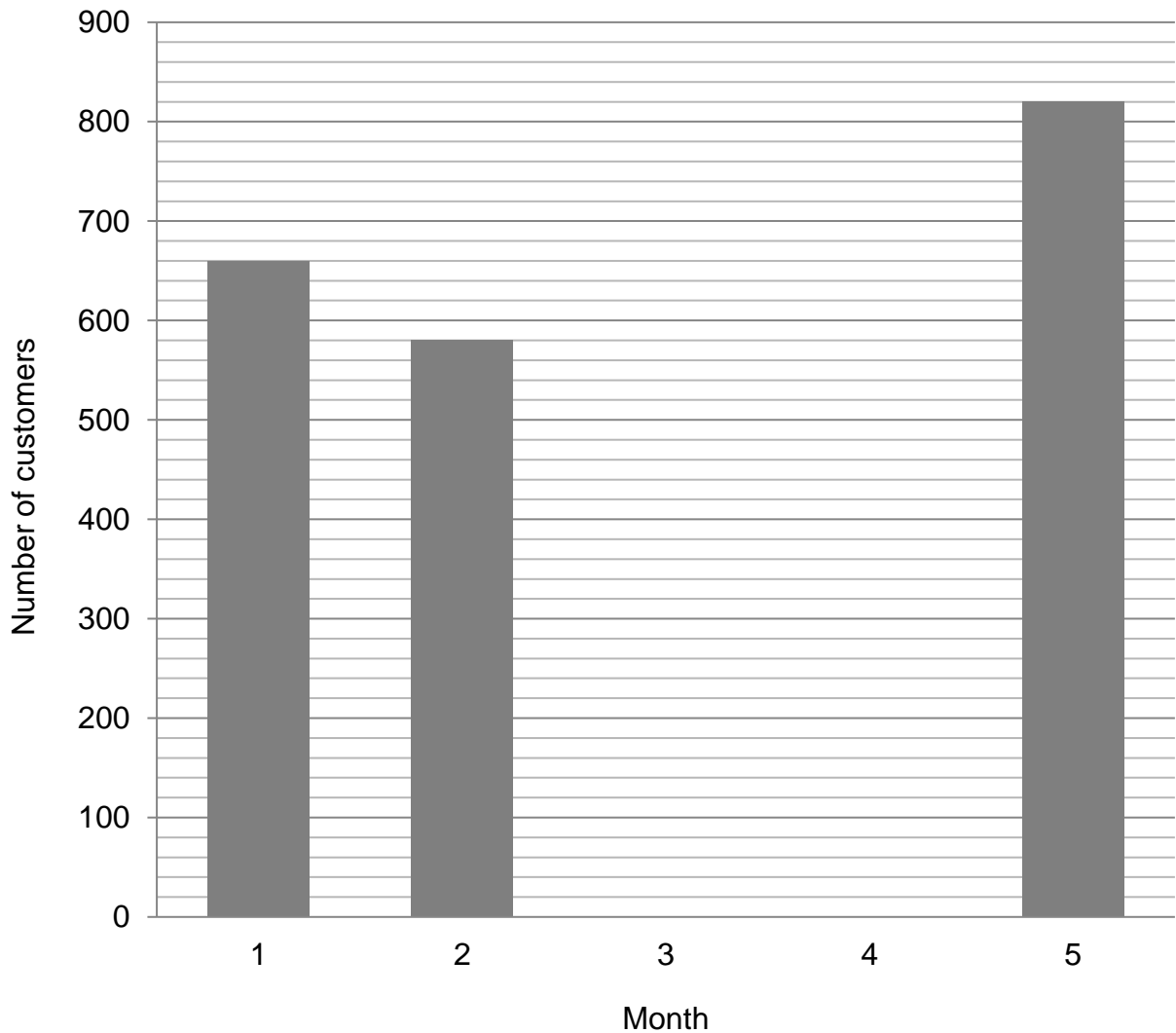
| Month | Number of customers |
|-------|---------------------|
| 1 | 660 |
| 2 | 580 |
| 3 | 840 |
| 4 | 660 |
| 5 | 820 |

He has started putting the results into a chart.

Complete the bars for months 3 and 4

[2 marks]

Customers served in the burger bar



4(e)

Simon has the customer numbers from four other fast food restaurants in the area.

| | Restaurant | Number of customers in last month |
|---|----------------|-----------------------------------|
| A | Burger Bar | 680 |
| B | Chicken Shed | 326 |
| C | Spaghetti Hut | 840 |
| D | Pizza Stop | 671 |
| E | Tikka Takeaway | 480 |

Put the number of customers in order, from highest number of customers to the lowest number of customers.

[2 marks]

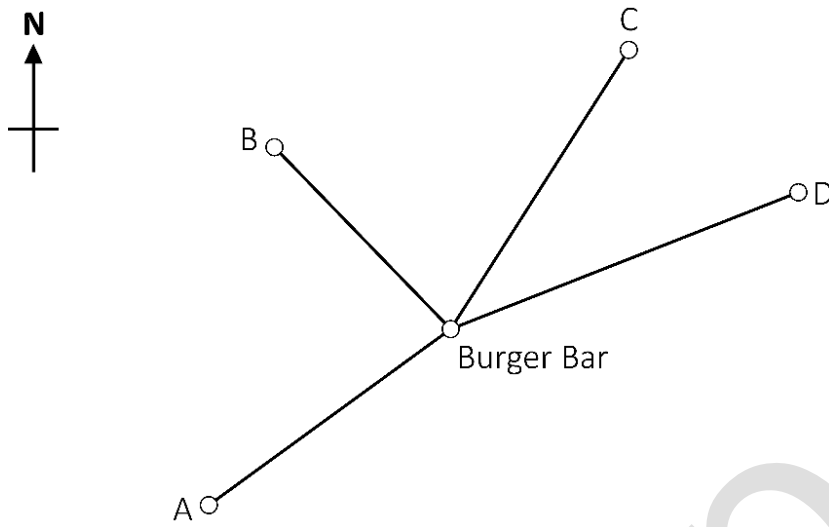


Highest

Lowest

Please turn over

4(f) The nearest restaurant to the burger bar is restaurant B.



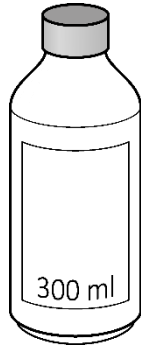
Use the points of the compass to describe the direction of the burger bar **from** restaurant B.

[1 mark]



4(g) The burger bar sells bottles of water.

The bottles hold 300 ml



Simon thinks three bottles will be more than a litre.

Explain why Simon is wrong.

[1 mark]



[Total marks: 10]

This is the end of the assessment.