NCFE Entry Level 2 Functional Skills Qualification in Mathematics (603/5053/2)

Paper number:	SAM
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

- Section B contains **Activity 2, 3** and **4**.
- The maximum mark for this section is **24**.
- The marks available for **each** question are shown in brackets.

Resources

You will need:

- a pen, with black or blue ink
- a pencil and eraser
- a 30 cm 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 invigilator tells you to do so.

 Last updated 27 November 2019.

Activity 2: Party food

Jack plans the food for the party.

2 (a) Jack makes a list of the sandwiches people like.

- Sally **only** likes chicken.
- Jen likes chicken and tuna.
- Sid does **not** like chicken or tuna.
- Jack **only** likes tuna.

Write the names in the correct parts of the table.

[2 marks]

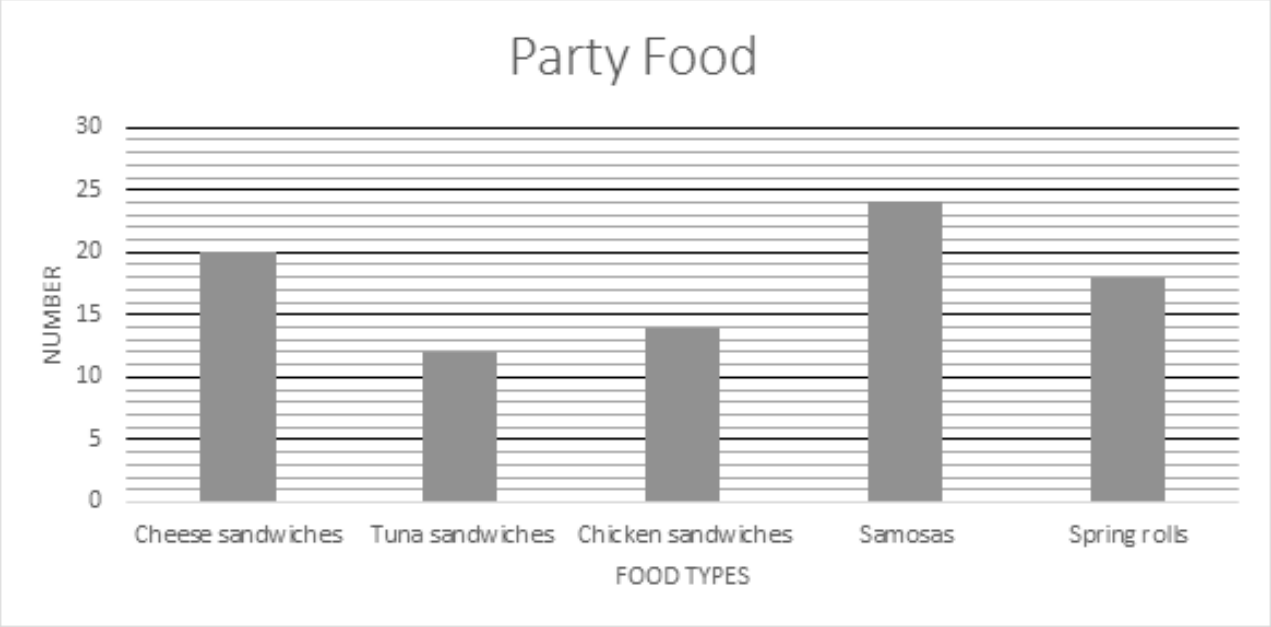
	Likes chicken	Does **not** like chicken
Likes tuna		
Does **not** like tuna		

2 (b) Two out of the four people like chicken.

What fraction of the people like chicken?

[1 mark]

2 (c) The bar chart shows the food Jack has got for the party.



How many more samosas are there than spring rolls?

[1 mark]

2 (d) Put the information from the bar chart into this table.

[2 marks]

Please turn over

2 (e) Jack also decides to buy some cupcakes.

He buys:

- two packs of chocolate cupcakes
- three packs of lemon cupcakes
- ten packs of caramel cupcakes.

He pays with a £20 note.

How much change will he get?

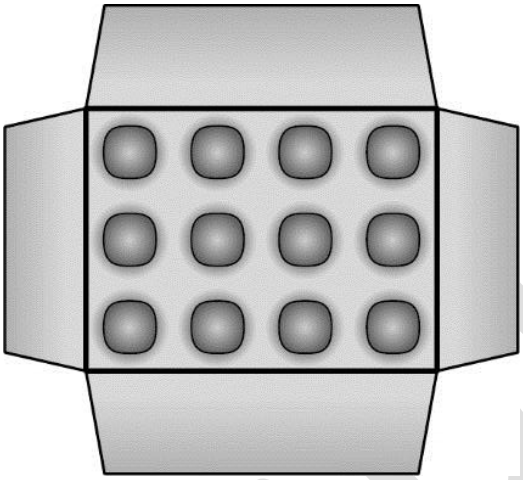
[2 marks]

[Total marks: 8]

Activity 3: Birthday presents

Jack buys Asha some presents.

3 (a) Jack buys some chocolates.



There are 12 chocolates in one layer.

There are 3 layers of chocolates in the box.

To work out the **total** number of chocolates circle the correct sum below.

12 - 3 **12 x 3** **12 + 3** **12 ÷ 3**

Work out the **total** number of chocolates using the sum you have chosen.

[2 marks]

Please turn over

3 (b) Another present is a set of soaps.

SOAP	**SOAP**	**SOAP**	**SOAP**
SOAP	**SOAP**	**SOAP**	**SOAP**

Shade $\frac{1}{4}$ of the **set** of soaps.

[1 mark]

3 (c) What fraction of the set of soaps is **not** shaded?

[1 mark]

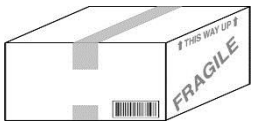
3 (d) Jack wants to post the presents before the party.

He chooses the widest box to put them in.

Which box does he choose?

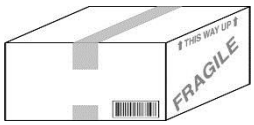
Tick (✓) your answer.

[1 mark]



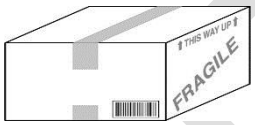
0.3m

A ( )



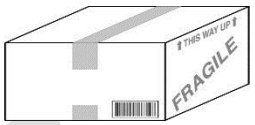
0.5m

B ( )



0.6m

C ( )

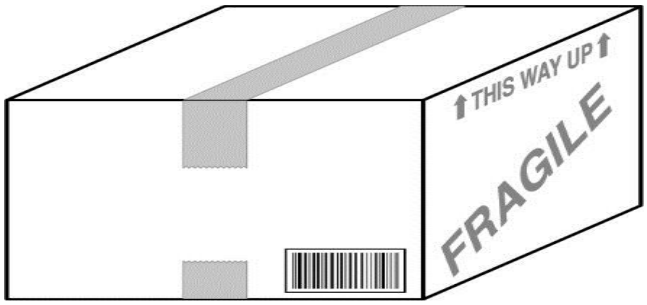


0.8m

D ( )

Please turn over

3 (e) What is the name of the 3D shape of the box?



Tick (✓) your answer.

[1 mark]

( ) Cube

( ) Square

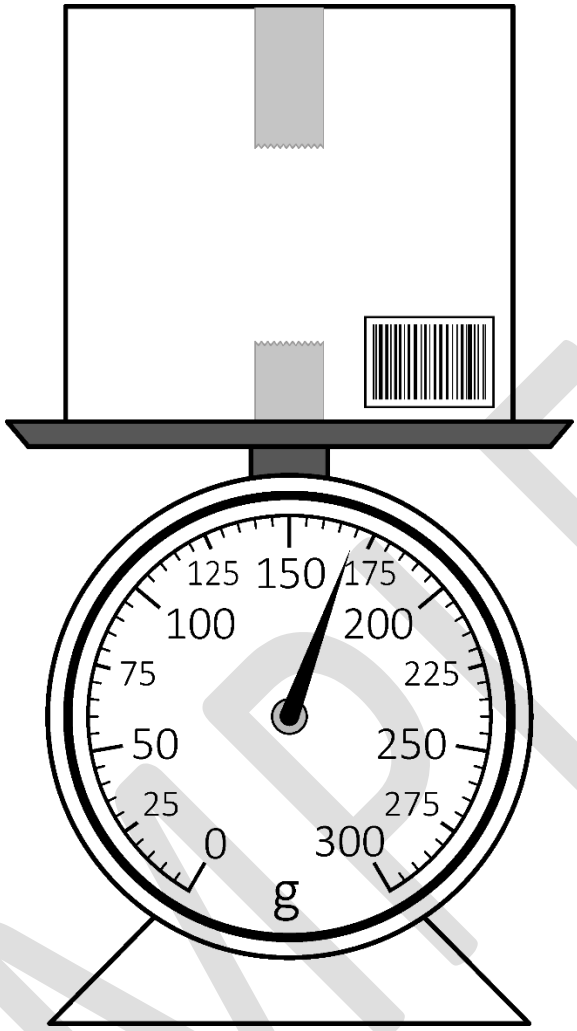
( ) Cuboid

( ) Rectangle

3 (f) How many edges does one face of the box have?

[1 mark]

3 (g) Jack weighs the box on a set of scales.



What is the weight of the parcel to the nearest labelled division?

[1 mark]

[Total marks: 8]

Please turn over

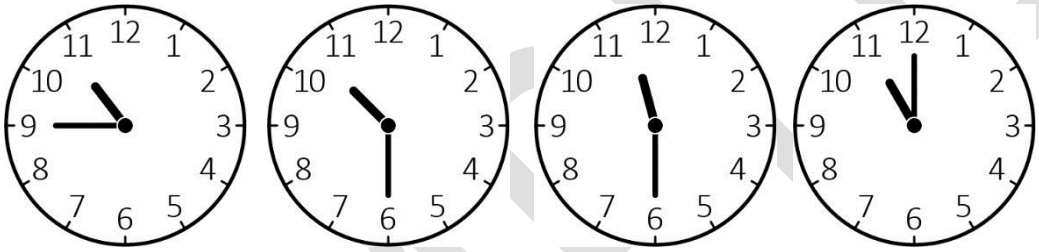
Activity 4: After the party

The party is over and everyone is going home.

4 (a) The party finishes at 11.30.

Which clock shows this time?

Tick (✓) your answer. **[1 mark]**



A ( ) **B ( )** **C ( )** **D ( )**

4 (b) After the party three friends go home in a taxi.

- Sid lives **17 km** from the party.
- Jen lives **7 km** from the party.
- Sally lives **70 m** from the party.

Who lives furthest away? Explain why you think this.

[2 marks]

4 (c) Here is a table showing how many taxis are available during the week.

Day of Week	Taxis available
Monday - Thursday	25
Friday	38
Saturday	55
Sunday	12

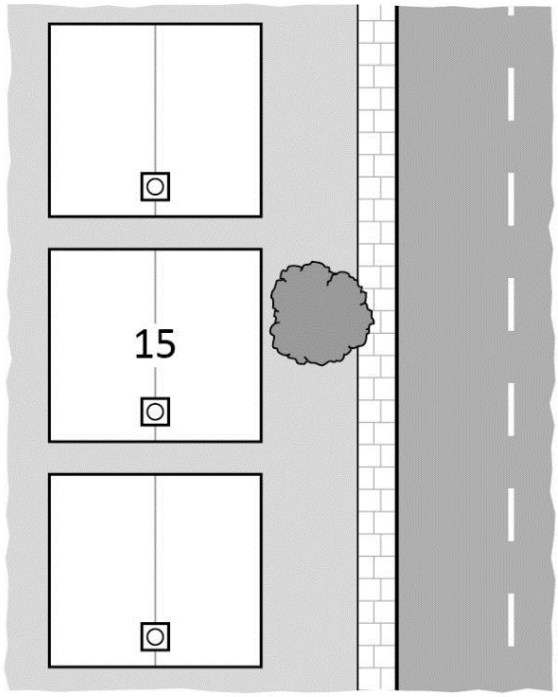
How many taxis are there on a Wednesday?

[1 mark]

Please turn over

4 (d) Here is a map of the road where Sid lives.

His house is number 15.



Sid needs to describe to the taxi driver which house is number 15.

What **two** things could he say?

[2 marks]

4 (e) Sid's house is number 15. Next door is number 17.

Sid's friend lives 6 houses further up the street from him.

What house number does his friend live at? Show your working.

[2 marks]

[Total marks: 8]

This is the end of the assessment.