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

Paper number:	Paper 2
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.
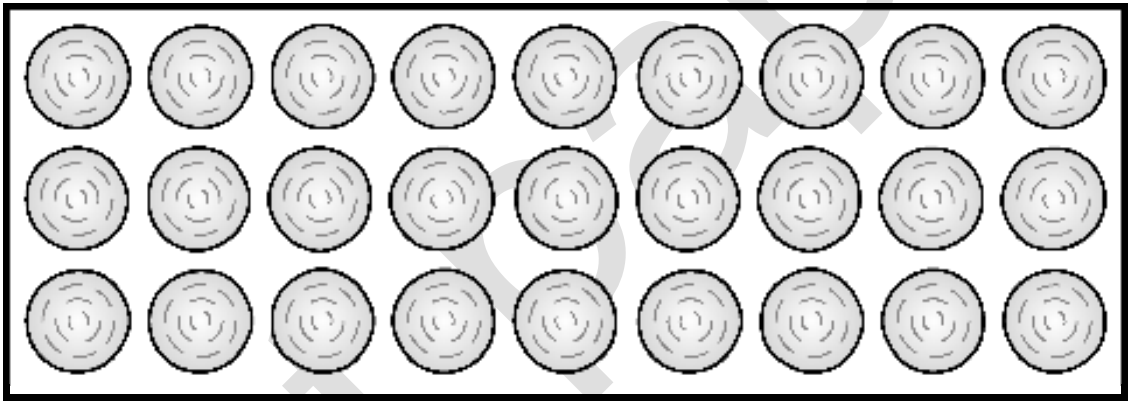
Activity 2: Planning the food

Umar is a chef at the restaurant.
He needs to plan his menu.

2(a)   There are 27 trifles on a tray.

Umar needs $\frac{2}{3}$ of the trifles for tonight's party.

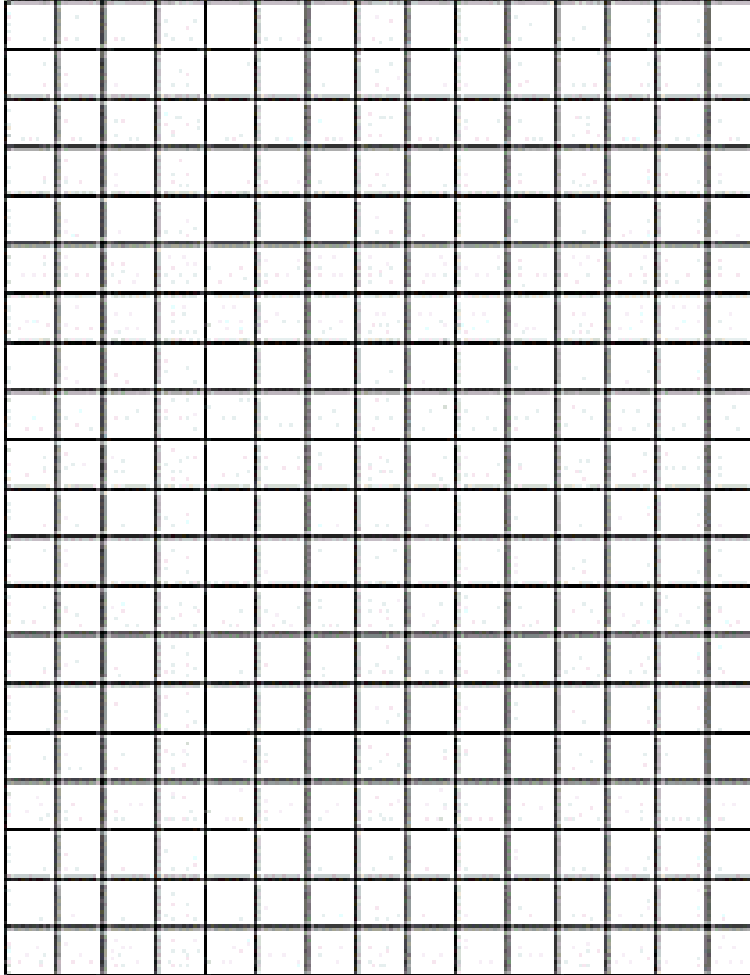Shade $\frac{2}{3}$ of the total number of trifles.

[2 marks]

2(b) Umar makes shortbread.

He uses a tin that is 15 cm wide and 20 cm long.

Each piece of shortbread needs to be 5 cm wide and 10 cm long.

Show how Umar can cut six pieces of shortbread.

[3 marks]

1 square = 1 cm

Diagram is not drawn to scale

2(c) Umar uses a recipe to make the pieces of shortbread.

The recipe makes six pieces of shortbread

- 75 g butter
- 33 g caster sugar
- 96 g plain flour

How much plain flour will Umar need to make 18 pieces of shortbread?

[3 marks]

2(d) Umar gets a list of dessert orders for a party of guests.

Here is the list.

Ben:	trifle
Karen:	cheesecake
Gareth:	shortbread
Lilly:	trifle
Dean:	cheesecake
Lauren:	cheesecake
Denise:	trifle
Katie:	shortbread

Fill in the frequency table with the dessert orders.

[2 marks]

Dessert	Number
Trifle	
Cheesecake	
Shortbread	

[Total marks: 10]

Activity 3: Deliveries

Daniel handles all of the deliveries for the restaurant.

3(a) Daniel gets a delivery of vegetables.

- 3 kg of potatoes
- 1000 g of carrots
- 2 kg of onions
- 950 g of leeks

Which vegetable is the heaviest?

[1 mark]

3(b) Daniel also gets a delivery of 320 soft drinks for the bar.

There are 20 drinks in a box.

How many boxes are there?

[2 marks]

3(c) Daniel needs straws for the bar.

He can buy packs with different amounts.

They go up in sequence.

How many straws are in the next three packs?

Put your answers in the spaces below.

[2 marks]

✏️ **20   30   40   50   ____ ____ ____**

3(d) Daniel wants to order 500 straws.

He finds two offers.

Enviro Straws
£3.40 for 40

Eco Straws
£4.00 for 50

How much will the Eco Straws cost?

[2 marks]

✏️

3(e)   Daniel buys 500 straws from Enviro Straws and 650 from Eco Straws.

Write these numbers in words.

[2 marks]

3(f)   Some samples of new drinks arrive.
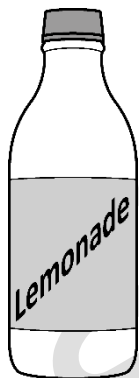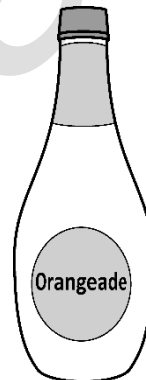
1.5 litres   **1000 ml**

Which bottle has the most in it?
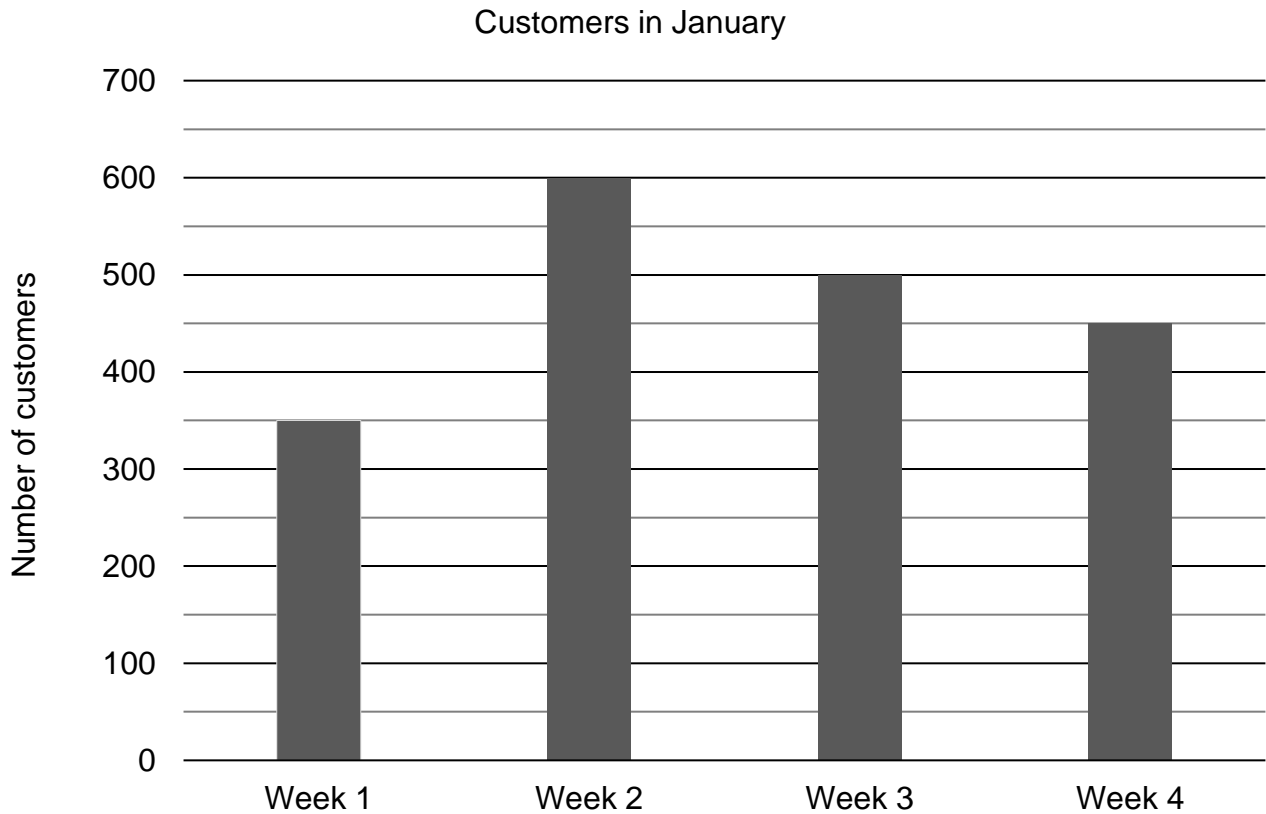
[1 mark]

[Total marks: 10]

Activity 4: The restaurant manager

Nick is the restaurant manager.

He keeps records of customer numbers.

4(a) Nick compares the number of customers for each week in January.

Customers in January

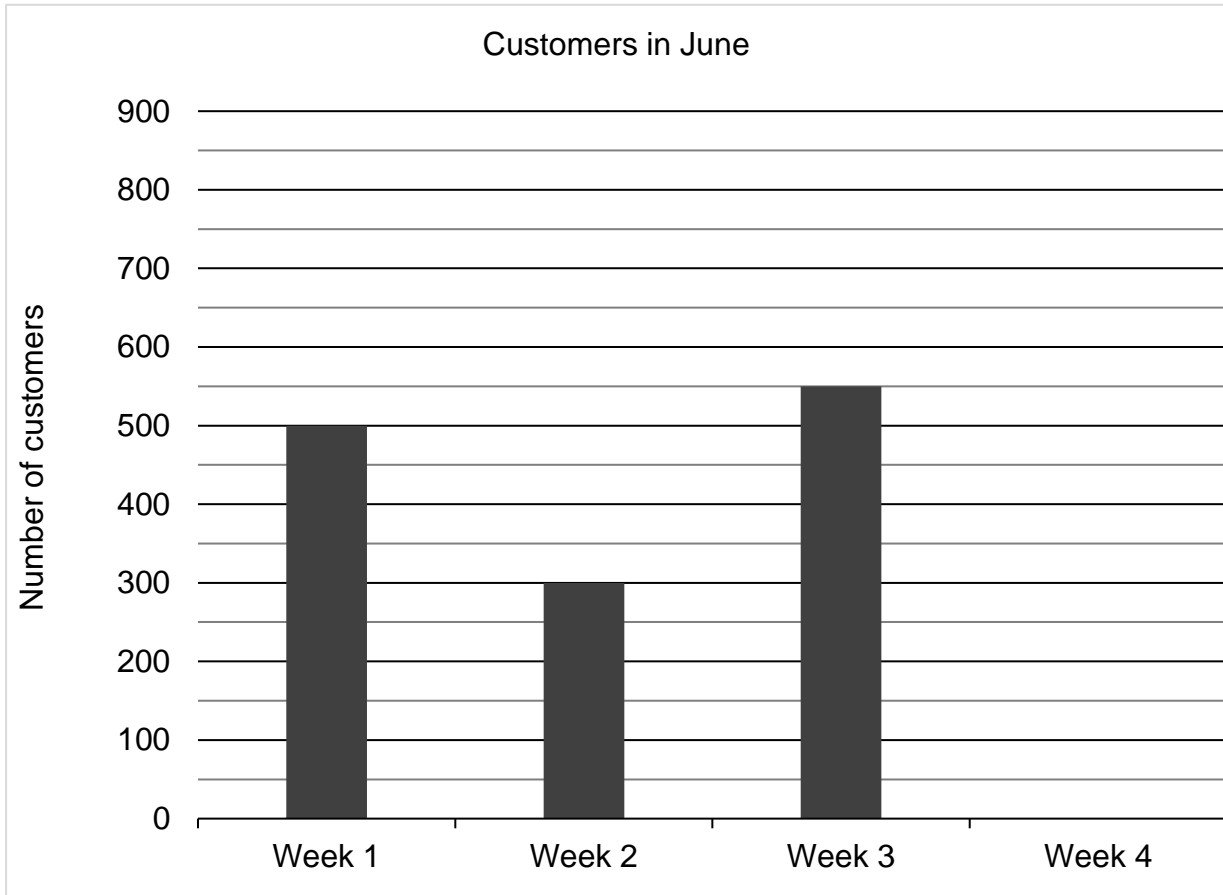How much more is the highest number than the lowest number of customers?

[2 marks]

4(b)   Another bar chart shows the number of customers in June.

Nick knows that in Week 4 they had the same number of customers as Week 2 and Week 3 together.

Complete the bar chart for Week 4.

[3 marks]

Customers in June

4(c)   What is the total number of customers in Week 1 and Week 2?

[2 marks]

4(d)   Nick notices that the restaurant is very busy between 6.20 pm and 9.45 pm.
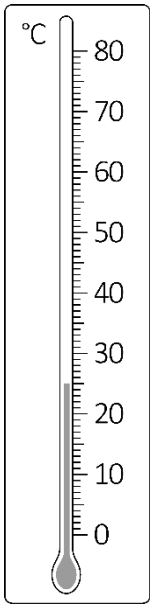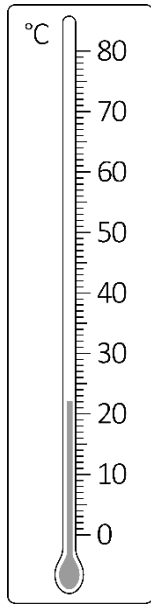
How long is this in hours and minutes?

[1 mark]

Please turn over

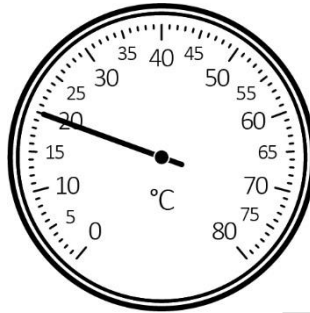**4(e)** Nick also studies how many customers like to sit outside.

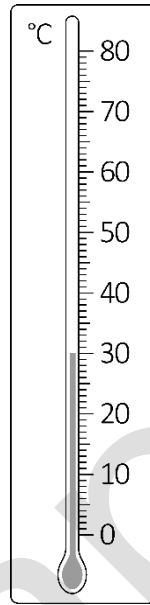The number of people sitting outside increases as the temperature goes up.
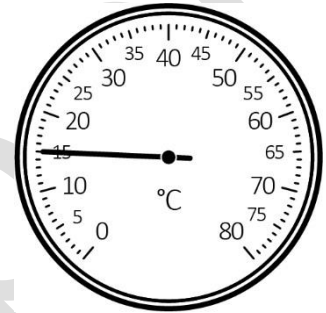

| Monday | Tuesday | Wednesday | Thursday | Friday |

On which day did most people sit outside?

Explain your answer.

[2 marks]

[Total marks: 10]

This is the end of the assessment.

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