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

Paper number:	Paper 9
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.

Resources
You will need:
- a pen, with black or blue ink
- a pencil and eraser
- a 30 cm ruler
- a calculator

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

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 a trip to the cinema

Mina is going to the cinema with three friends.

2 (a)   Mina checks some websites to find cinemas near her.

Mina writes down the distance from her house to each cinema.

Film World cinema	3.1 km
Ronald Street cinema	3.2 km
Style cinema	3.12 km

Which cinema is furthest from her house?

[1 mark]

2 (b) Mina also checks the websites to see how many people each cinema holds.

Cinema	Number of people
Film World cinema	988
Style cinema	912
Ronald Street cinema	998

Write the cinemas in order from the smallest number of people to the largest number of people.

[1 mark]

smallest   **largest**

_____   _____   _____

2 (c) Mina and her friends decide to go to Style cinema.

This cinema has eight screens.

Each screen shows 21 films a week.

How many films does this cinema show in total each week?

[2 marks]

2 (d)   Mina looks at the film times.

Journey to the Stars	
start time	6.20 pm
end time	8.35 pm

Love in London	
start time	6.35 pm
end time	8.25 pm

Secret in the Stone	
start time	7.25 pm
end time	8.55 pm

They need to be out of the cinema by half past eight in the evening.

Which film should they watch?

[1 mark]

4

2 (e)   Mina and her friends need to leave soon to catch the bus to the cinema.

Mina looks at the time now.
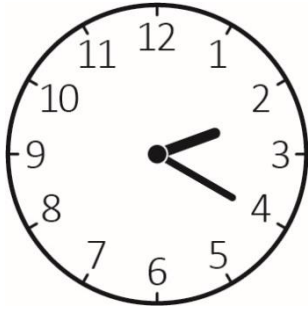
What time is it?

[1 mark]

2 (f)   Mina and her friends get to the bus stop at quarter to three in the afternoon.

The next bus is due in 17 minutes.

What time is the next bus due?

Write your answer in numbers using the 12 hour clock format.

[2 marks]

2 (g)   The bus stop is 0.25 km from Mina's house.
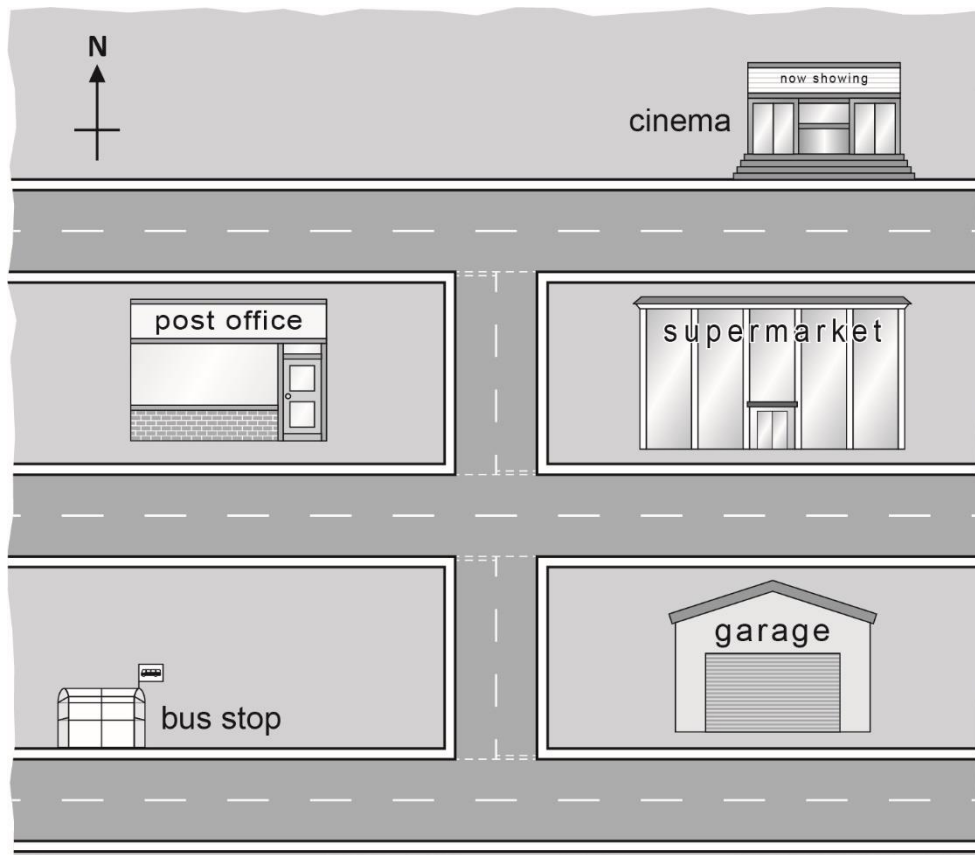
The bus stops are at equal distances.

Complete the sequence.

[1 mark]

0.25 km   0.5 km   0.75 km   _____ km

2 (h)   Mina and her friends get off the bus at the bus stop.

Which directions will they take to get to the cinema?

Tick (✓) your answer.

[1 mark]

west then north then west	west then south then west	east then north then east	east then south then east
A ( )	B ( )	C ( )	D ( )

[Total marks: 10]
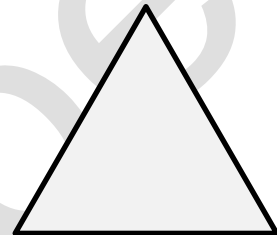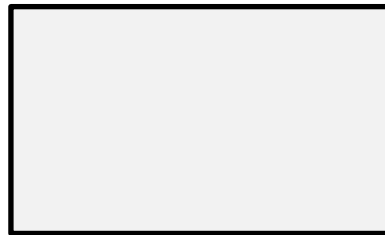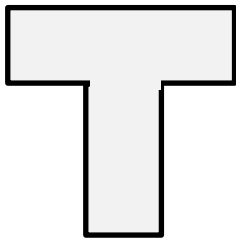
Activity 3: At the cinema

Mina and her three friends arrive at the cinema.

3 (a) Mina looks at the shapes of the film posters.

Which shape has the most lines of symmetry?

Tick (✓) your answer.

[1 mark]

A ( )   B ( )   C ( )
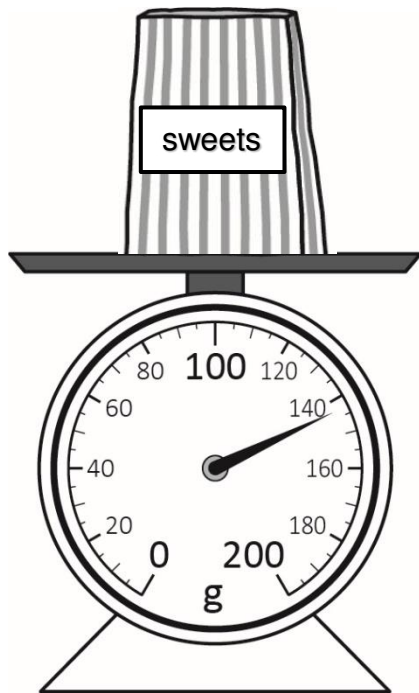
3 (b) Mina buys the tickets.

She buys one ticket for £3.55 and three tickets for £4.00 each.

What is the total cost?

[2 marks]

3 (c)   Mina buys a bag of sweets.

How much does the bag weigh to the nearest **labelled** division?

[1 mark]

3 (d)   Her sweets cost £2.89

What is £2.89 rounded to the nearest 10p?

[1 mark]

3 (e)   Daniel also buys some sweets.

He buys the heaviest bag.

Which bag is the heaviest?

Tick (✓) your answer.

[1 mark]

500 g	**1.2 kg**	**0.25 kg**	**750 g**
A ( )	**B ( )**	**C ( )**	**D ( )**

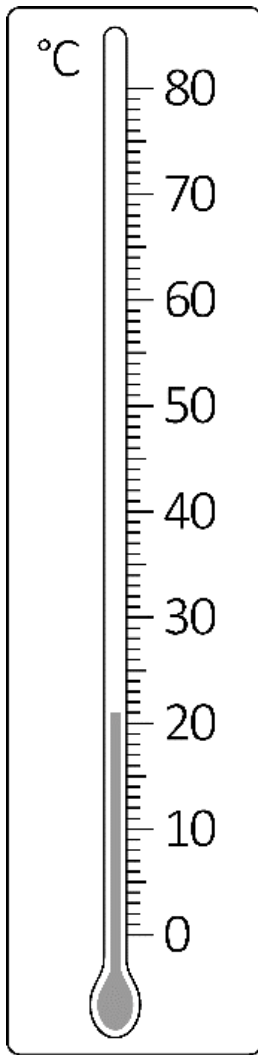**3 (f)**   Daniel eats $\frac{1}{4}$ of the sweets.

What fraction of the sweets are left?

[1 mark]

10

3 (g) The temperature outside is 22°C

This is the temperature inside the cinema.

Mina thinks it is hotter outside.

Is she correct?

Give a reason for your answer.

[2 marks]

3 (h) Mina looks at the seat numbers on the end of each row.

The numbers go up in sequence.

What will the next two numbers be?

[1 mark]

✏️ **24   36   48**   _____   _____

[Total marks: 10]

This page is intentionally left blank.

Activity 4: Cinema manager

Debra is the manager of the cinema.

4 (a)   Debra looks at film reviews.

Each film is rated 1, 2, 3, 4 or 5 stars.

These are the ratings.

1	4	4	5	3	1	4	2	4	2
2	1	3	5	3	3	5	1	3	4
3	4	3	4	4	5	3	5	2	4

Complete the frequency table to show this information.

[2 marks]

Rating	Frequency
1 star	4
2 stars	4
3 stars	8

4 (b)   Put the information from your frequency table into a bar chart.

[3 marks]

Film ratings

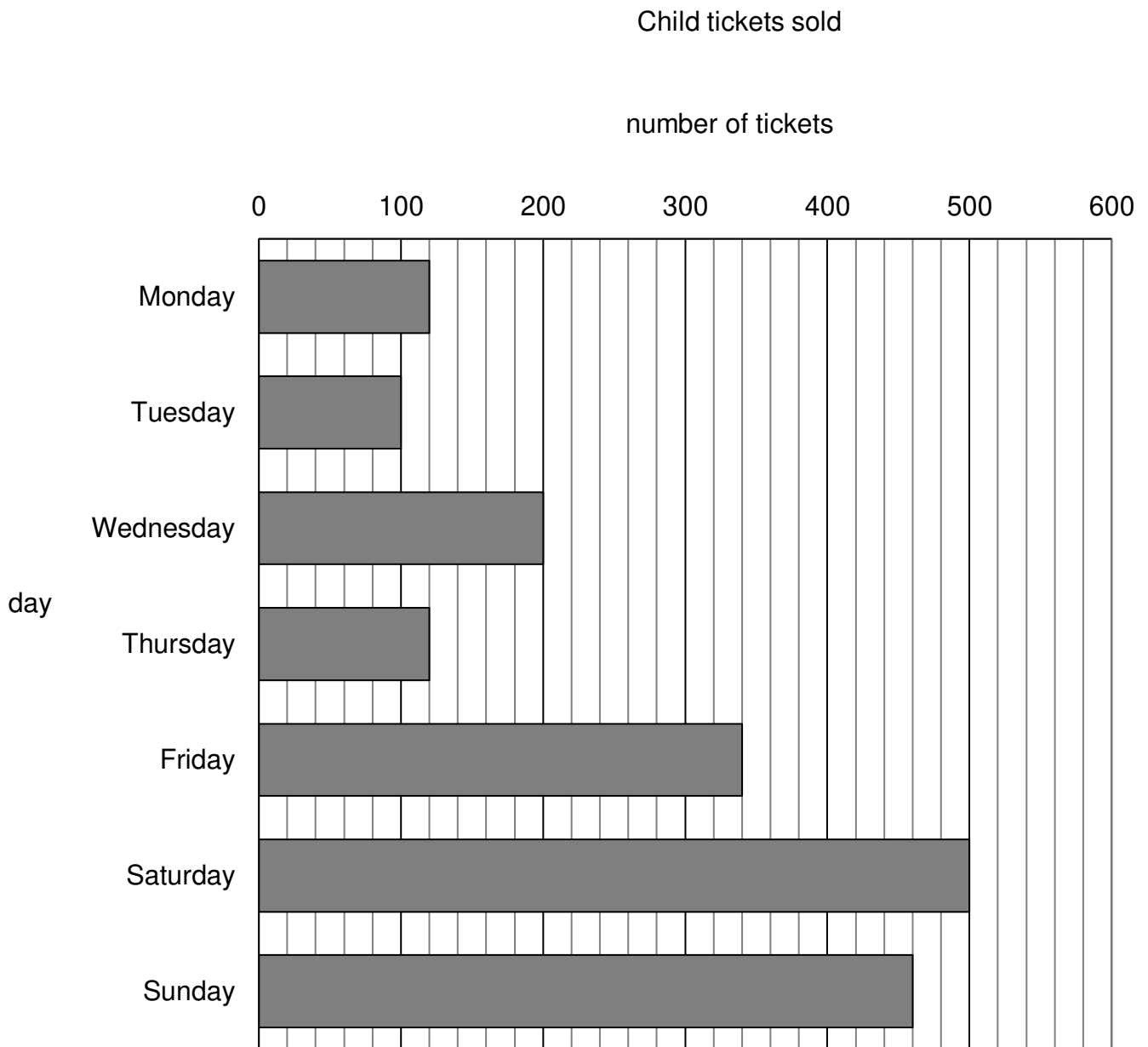|						
10						
9						
8						
7						
6						
5						
4						
3						
2						
1						
0	1 star	2 stars	3 stars	4 stars	5 stars	
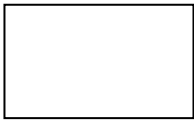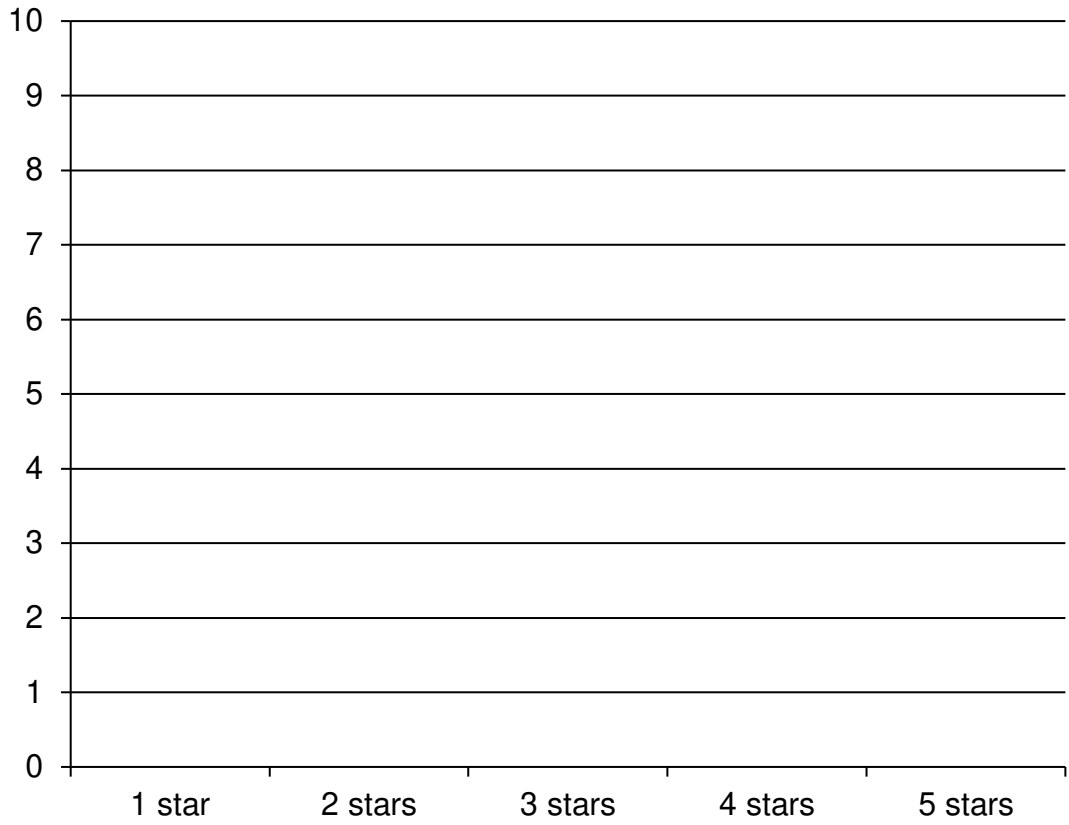
Please turn over

4 (c) Debra checks the number of child tickets sold.

This bar chart shows how many were sold each day last week.

Child tickets sold

number of tickets

How many more child tickets were sold on Saturday than were sold on Thursday?

[2 marks]

4 (d) The cinema can hold 912 people in total.

It can show eight films at the same time.

The cinema is full and each film is watched by the same number of people.

How many people can watch each film?

[2 marks]

4 (e) Debra has 22 staff.

They each work 36 hours a week.

What is 22 x 36?

[1 mark]

[Total marks: 10]

This is the end of the internal assessment.