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

Paper number:	Paper 12
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 **24**.
- The marks available for **each** question are shown in brackets.

To be completed by the assessor		Mark
B	Activity 2	/ 8
	Activity 3	/ 8
	Activity 4	/ 8

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.
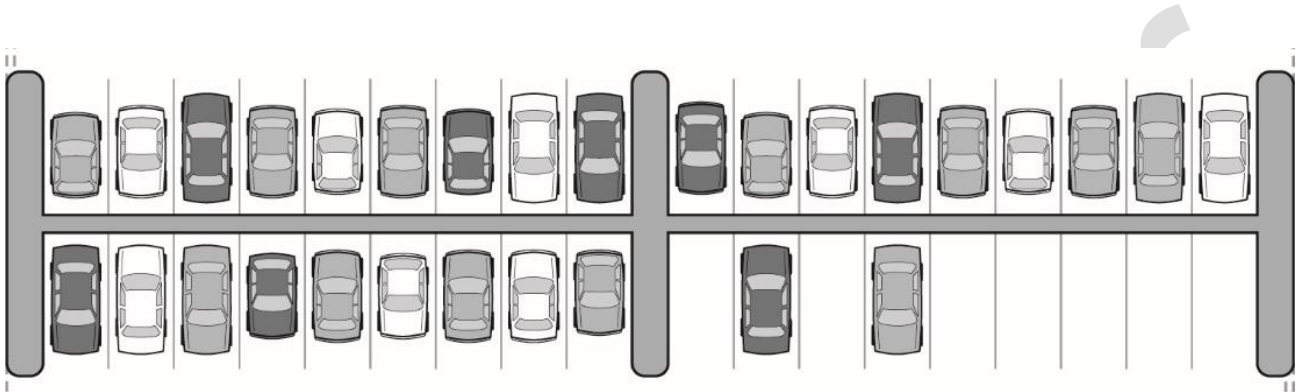
Learner name

Centre name

Learner number

Centre number

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

Activity 2: Helping at the fair

Marvin helps at the fair.

2 (a) Marvin counts the cars in the car park.

How many cars are there in the car park?

[1 mark]

2 (b)   Marvin has 50 metres of rope.

He cuts it into pieces to mark out paths.

Each piece will be four metres long.

Marvin cuts as many pieces as he can.

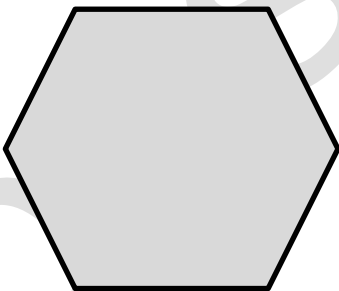How many metres of rope will he have left over?

[3 marks]

2 (c)   A craft tent needs a space shaped like this.

What is the name of this 2D shape?

[1 mark]

2 (d)   Marvin collects the rubbish in sacks.

This table shows the number of sacks he collected each day.

Day	Thursday	Friday	Saturday	Sunday
Number of sacks	100	160	140	80

He starts to show the results in a bar chart.

Complete the bar chart.

[2 marks]

Rubbish collection
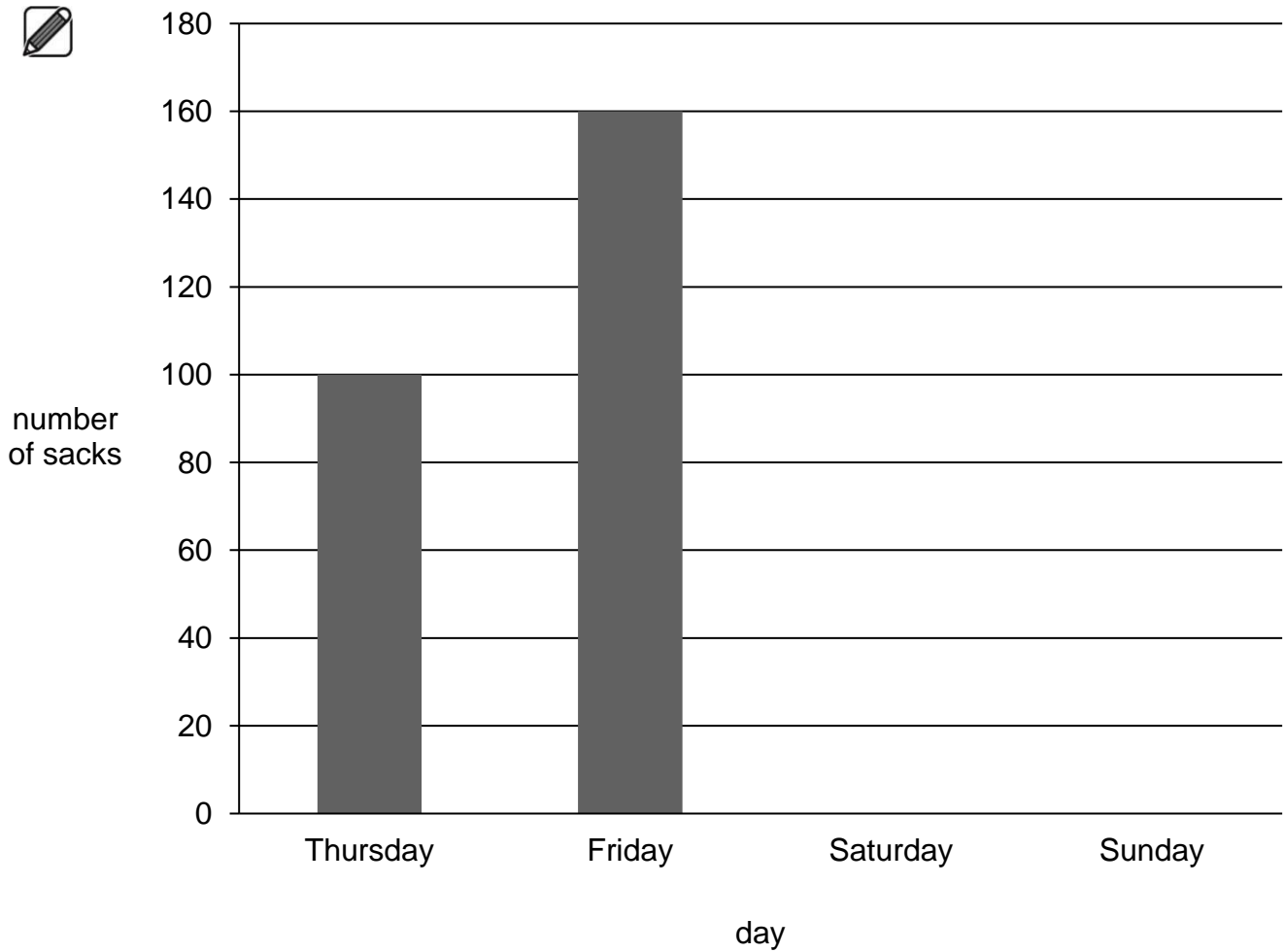
2 (e) This chart shows the number of visitors on each day.

Visitors to the fair
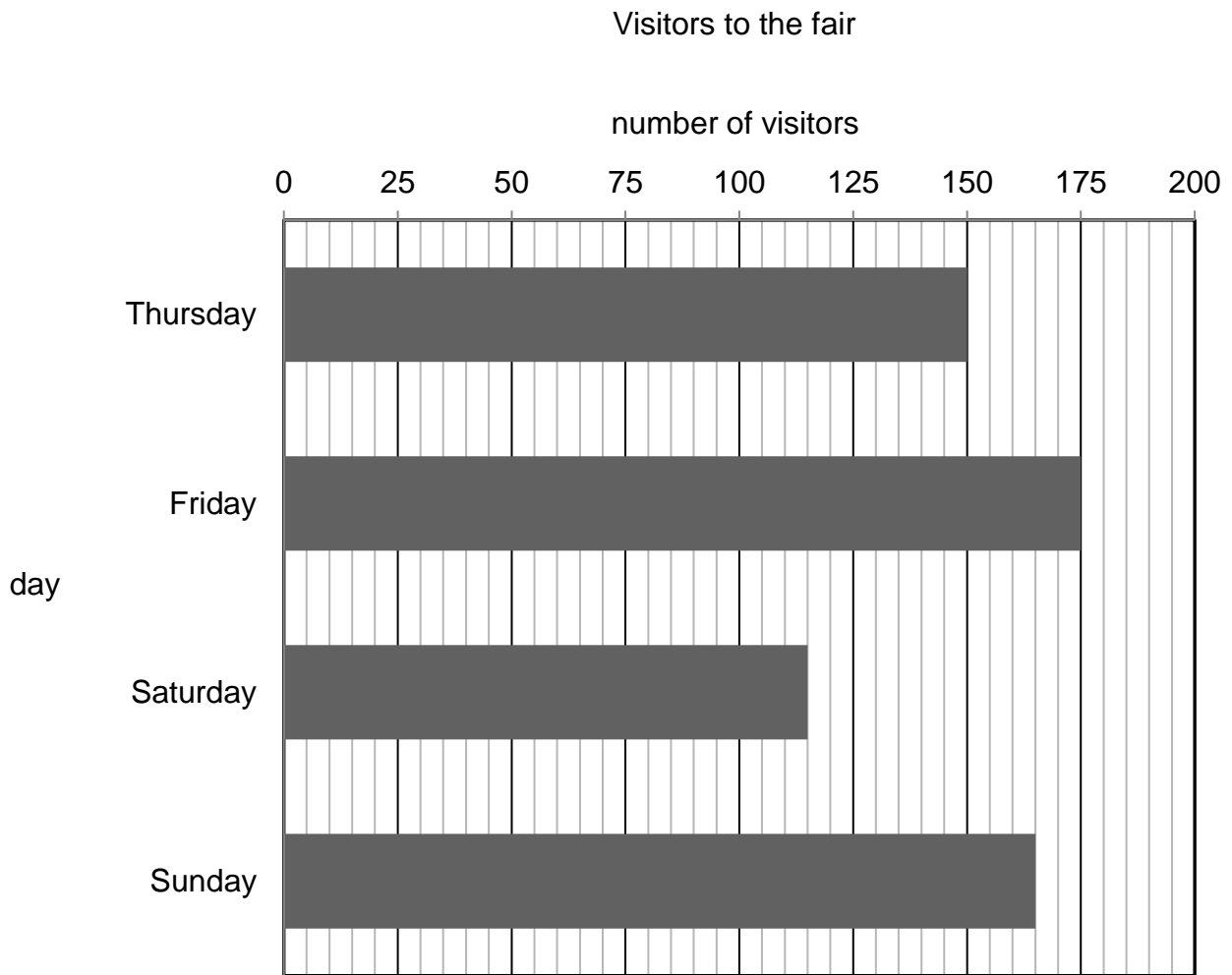
number of visitors

On how many days were there more than 150 visitors?

[1 mark]

[Total marks: 8]

Activity 3: Games at the fair

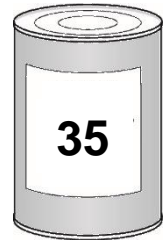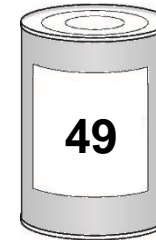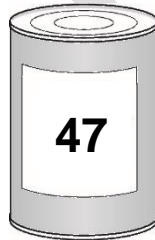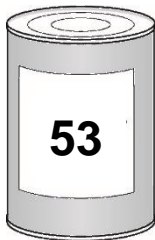Jack and his friends play games at the fair.

3 (a)   Jack throws hoops over tins.

Any tin with an even number wins a prize.

Tick (✓) each tin that wins a prize.

[1 mark]

5	11	75	25	50

53	74	47	49	35
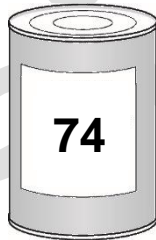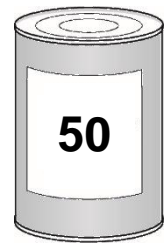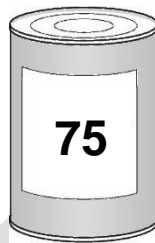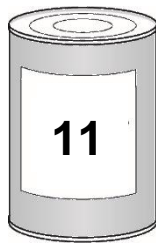
3 (b) Jack and his friends enter the egg throwing contest.

These are the distances they throw an egg without breaking it.

Jack	Billy	Emily	Deanna
2 metres	20 centimetres	200 millimetres	20 metres

Who has thrown an egg the furthest?

[1 mark]

3 (c) Jack plays a darts game.

He throws three darts at a board.

He must score 50 or more in total to win a prize.

He scores 35 with the first two darts.

Jack thinks he needs to score five with the last dart to win.

Is he correct?

Give a reason for your answer.

[3 marks]

3 (d)   Jack wins a prize.

He asks for the prize below the ball.
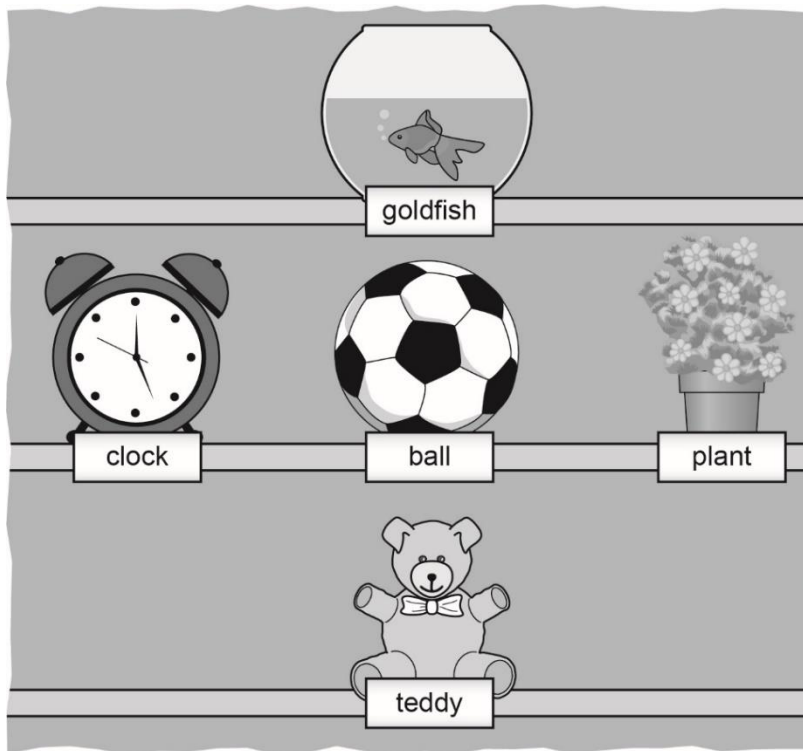
Which prize is below the ball?

[1 mark]

3 (e)   In one of the games they need to guess the weight of a pig.

Who guesses the heaviest weight?

Tick (✓) your answer.

[1 mark]

	Jack	Billy	Emily	Deanna
	200 g	5 kg	25 kg	20 g
	A ( )	**B ( )**	**C ( )**	**D ( )**

Please turn over

3 (f)   The friends want to go on a ride.

They must be over 140 cm tall to go on the ride.

Jack   Billy   Deanna   Emily
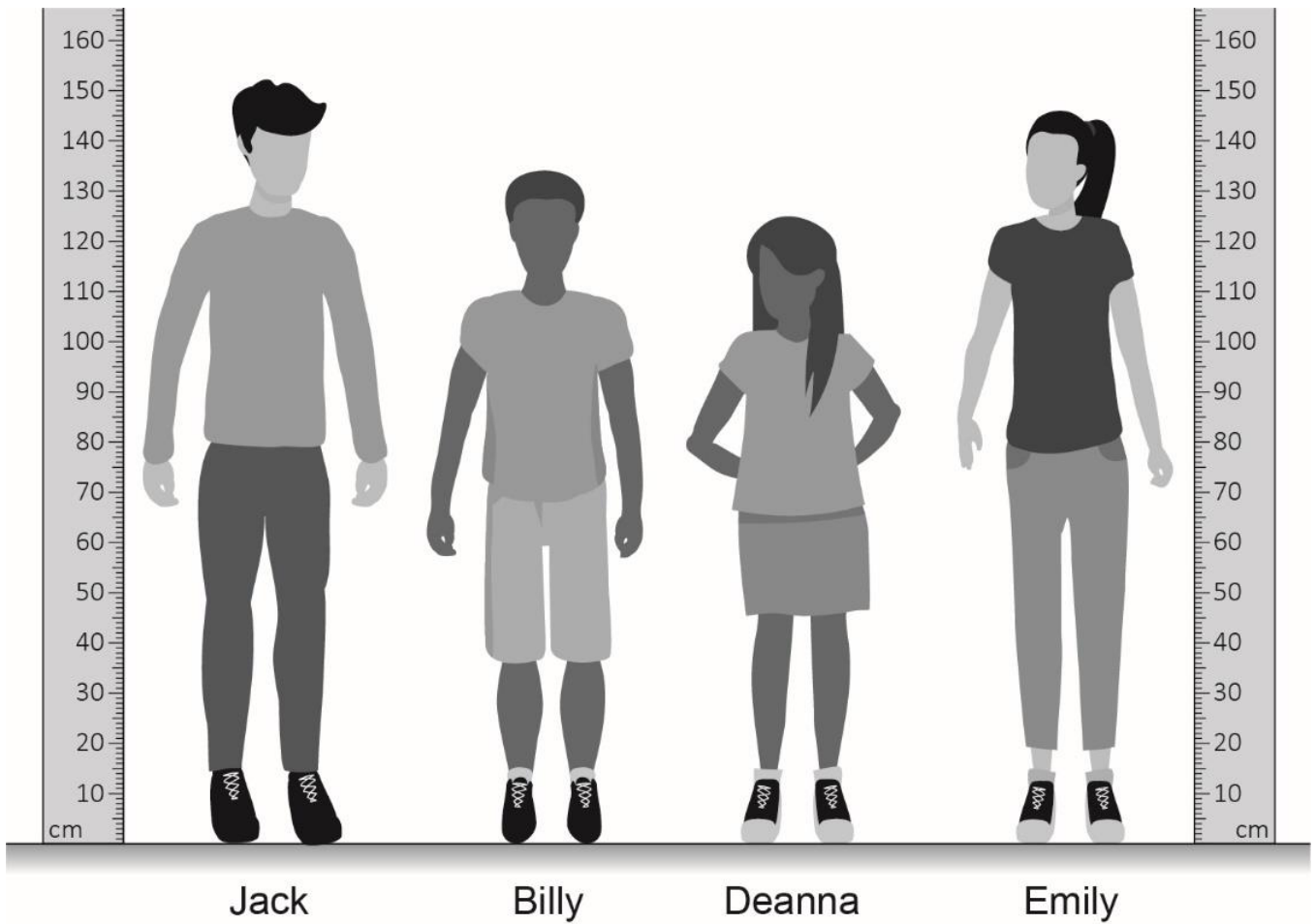
Who can go on the ride?

[1 mark]

[Total marks: 8]

Activity 4: The dog show

Dave is at the dog show.

4 (a)   The dog show starts at half past one in the afternoon.

Which clock shows the start time?

Tick (✓) your answer.

[1 mark]

12:30   01:30   13:30   13:00

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

4 (b)   One hundred and forty six people have dogs at the show.

Write one hundred and forty six in numbers.

[1 mark]

4 (c) Dave watches the dog show.

This table shows all of the classes at the dog show.

Class	Ring
fastest dog	2
best rescue dog	4
best looking dog	3
best behaved dog	4
happiest dog	2

Which other class is in the same ring as the best rescue dog?

[1 mark]

4 (d)   Each class takes 10 minutes.

Dave thinks the five classes will take 40 minutes in total.

Is Dave correct?

Give a reason for your answer.

[3 marks]

4 (e)   Each dog owner pays to enter their dog in the show.

The winners divide the total amount of money between them.

What is the symbol for divide?

Tick (✓) your answer.

[1 mark]

+   **X**   **—**   **÷**

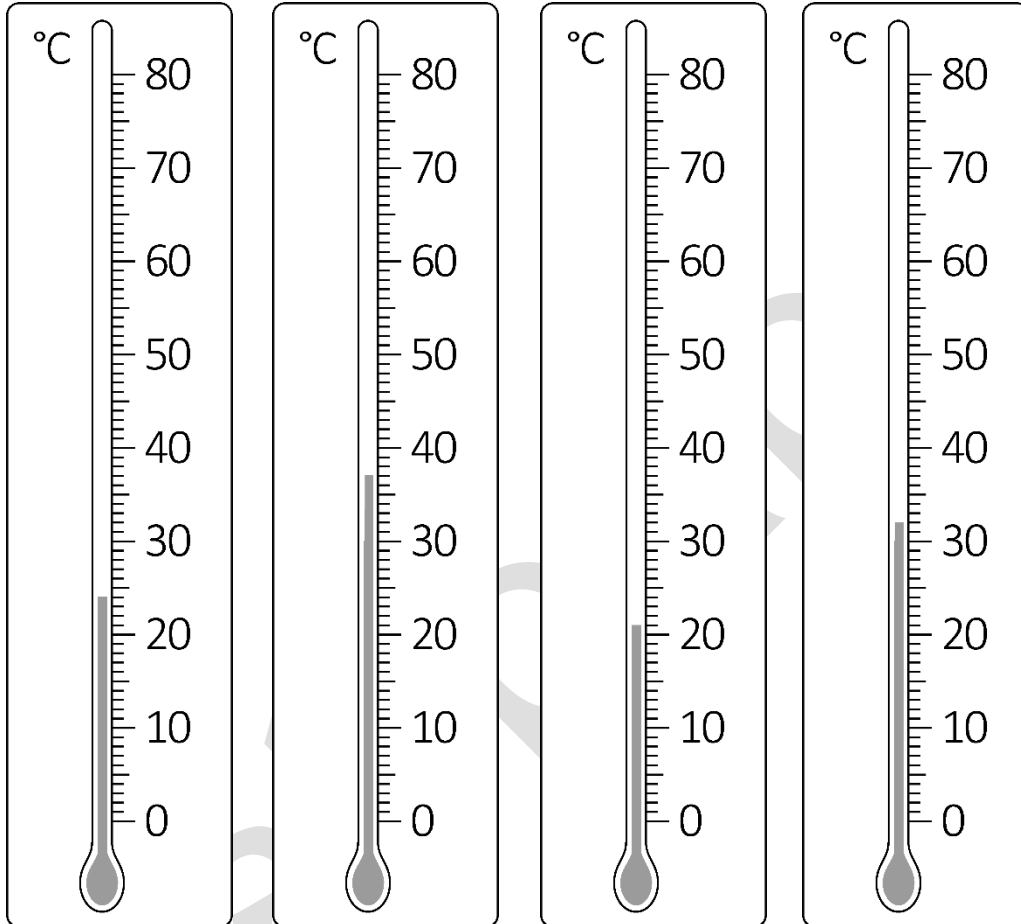**A (   )**   **B (   )**   **C (   )**   **D (   )**

Please turn over

4 (f) These thermometers show the temperature at noon on each day of the show.

Which thermometer shows the highest temperature?

Tick (✓) your answer.

[1 mark]

Thursday	Friday	Saturday	Sunday
°C 80 70 60 50 40 30 20 10 0	°C 80 70 60 50 40 30 20 10 0	°C 80 70 60 50 40 30 20 10 0	°C 80 70 60 50 40 30 20 10 0
A ( )	**B ( )**	**C ( )**	**D ( )**

[Total marks: 8]

This is the end of the internal assessment.

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