Functional Skills Mathematics (4748) Entry 2 Sample Assessment

Candidate's paper – Non-calculator
Garden Centre

Time allowed – 25 minutes

Marks: 9

Name: _____

City & Guilds Enrolment Number: _____

Date of registration: _____

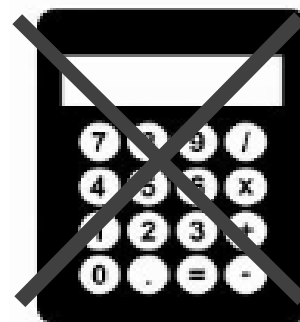Date of assessment: _____

You will need
- a pen with black or blue ink
- a pencil
- a rubber
- a ruler.

You may use a dictionary.

You must **not** use a calculator.

Instructions
- Read each question carefully.
- Answer **all** the questions.

Candidate's declaration:
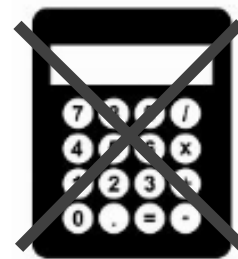I confirm that this assessment is my own work.

Candidate's signature _____

Date _____

Non-calculator paper

There are **9** marks available.

You must **not** use a calculator.

Q1
> What number comes next in this list?

53   55   57   59   ……

1 mark

Q2
> What is 66 divided by 8?

.... remainder ....

1 mark

Q3

| 48 | | 4 | = | 12 |

> Choose the correct sign to finish the calculation and fill in the box.

| = | + | − | x | ÷ |

1 mark

Q4
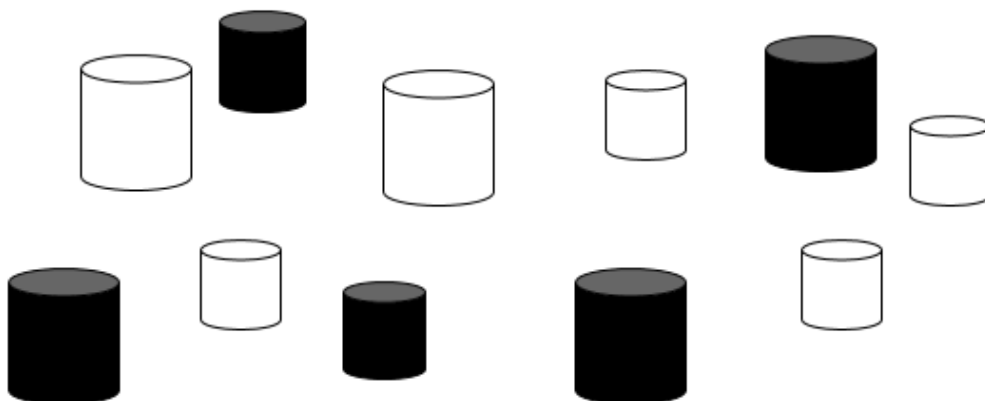
> Tick all the **small white** cylinders.

1 mark

Q5 A trainee does this calculation.

| 98 | – | 41 | = | 57 |

Round the numbers in the calculation to the nearest 10 to check the answer is about right.

| | - | | = | |

1 mark

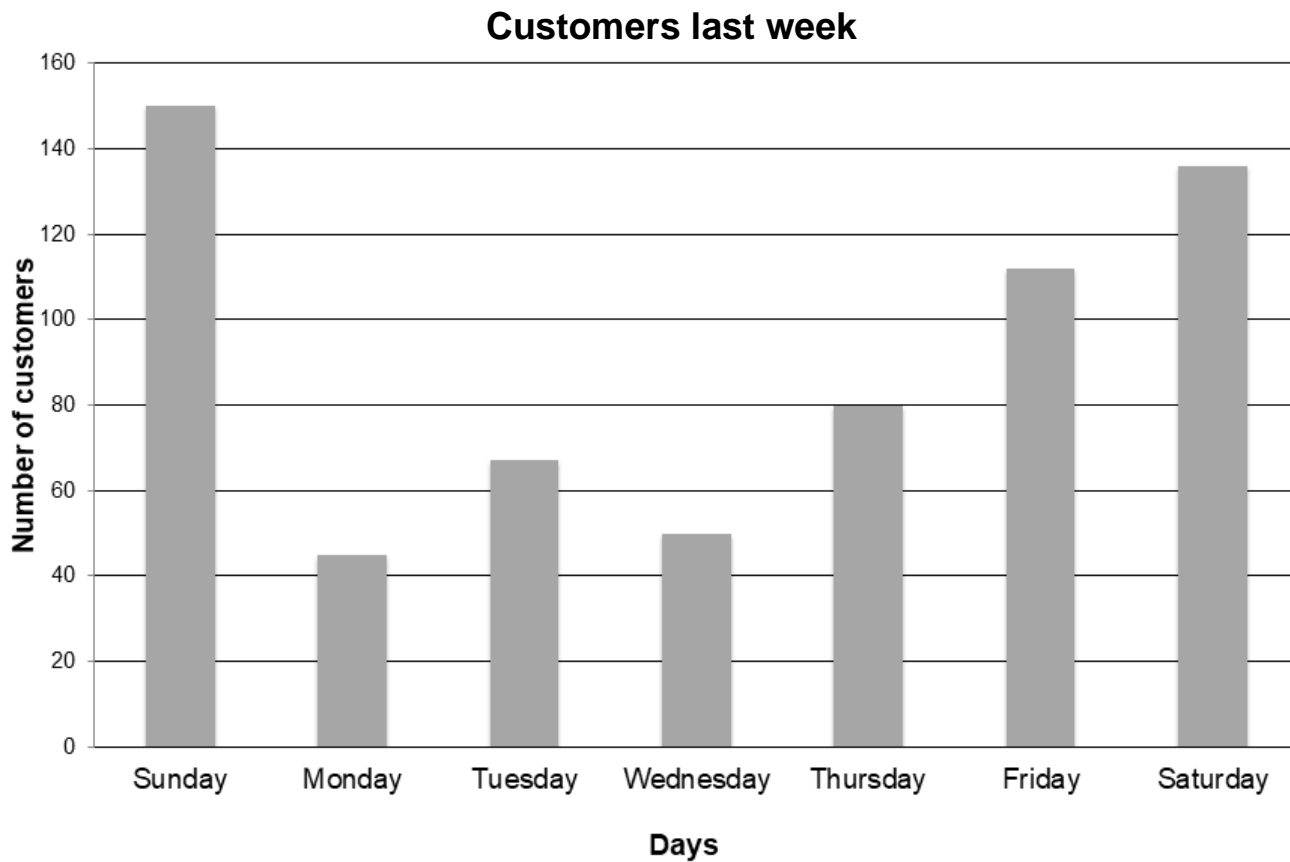**Q6** A shop sells these different sizes of packets of dried herbs.

55 grams   125 grams   100 grams   75 grams

Write the weights in order **starting with the smallest**.

…………   …………   …………   …………

1 mark

Q7   This bar chart shows the number of customers at a garden centre last week.

Customers last week

Which day had the smallest number of customers?

....

1 mark

Q8 A garden centre manager asks his assistant to file these invoices in number order starting with the lowest number.

| The Garden Centre |
| 22 First Avenue |
| Invoice number **107** |

| The Garden Centre |
| 22 First Avenue |
| Invoice number **188** |

| The Garden Centre |
| 22 First Avenue |
| Invoice number **192** |

| The Garden Centre |
| 22 First Avenue |
| Invoice number **99** |

In which order will the assistant file the invoices?

A   192   107   188   99   ☐

B   192   188   107   99   ☐

C   107   99   188   192   ☐

D   99   107   188   192   ☐

1 mark

Q9 A gardener needs a piece of wood to make a post 1.8m high.
He has these pieces of wood to choose from.

1.2m   2m   1.6m   0.9m

Which piece of wood should he use?
Tick the piece of wood he can use.

1 mark

Total marks: 9

End of non-calculator paper

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Functional Skills Mathematics (4748) Entry 2 Sample Assessment

Candidate's paper – Calculator allowed
Garden Centre

Time allowed – 65 minutes

Marks: 27

Name: _____

City & Guilds Enrolment Number: _____

Date of registration: _____

 Date of assessment: _____

You will need
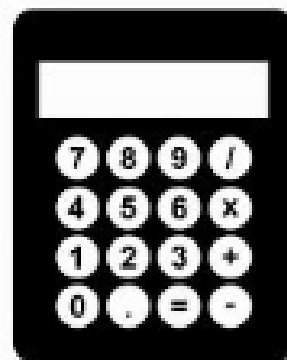- a calculator
- a pen with black or blue ink
- a pencil
- a rubber
- a ruler.

You may use a dictionary.

Instructions
- Read each question carefully.
- Answer **all** the questions.

Candidate's declaration:
I confirm that this assessment is my own work.

Candidate's signature _____

Date _____

Calculator paper

There are **27** marks available.

You may use a calculator.
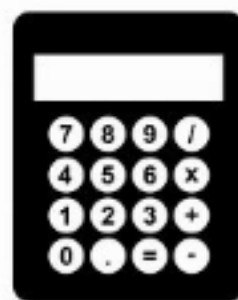
Q1

How many weeks are in one year?

1 mark

....

Q2
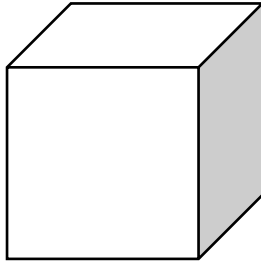
How many faces does a cube have?

A   3   ☐

B   4   ☐

C   5   ☐

D   6   ☐

1 mark

Q3   Count these flower pots.

How many flower pots are there?

…………………………………………………………….   **1 mark**

Q4 A trainee needs to plant some seeds.

She needs seed trays that will fit on this shelf.

width
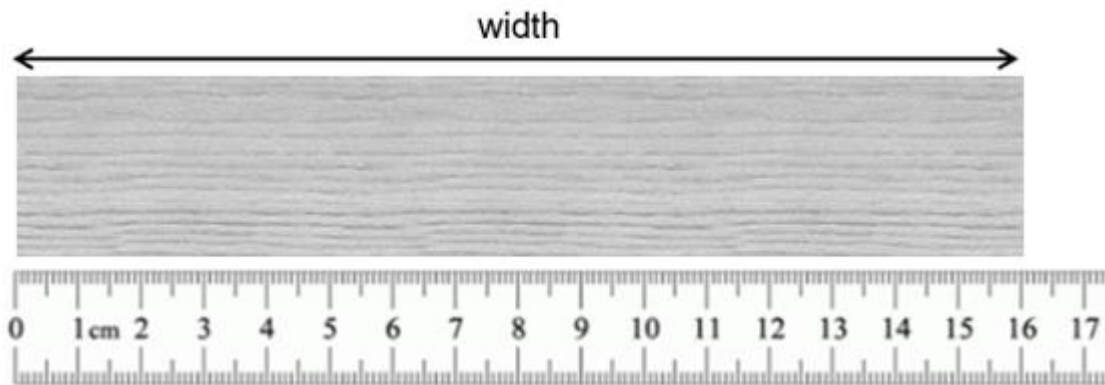
The garden centre has these different sizes of seed trays.

Width 28cm

Width 15cm

Width 14cm

Width 23cm

Tick which seed trays will fit on the shelf.
Use numbers to explain your answer.

Explanation ....

....

....

3 marks

Q5 A customer wants to buy some mint plants.
He asks an assistant where the mint plants are.

The assistant looks on these shelves.

Each plant costs £3

a What does the assistant say?
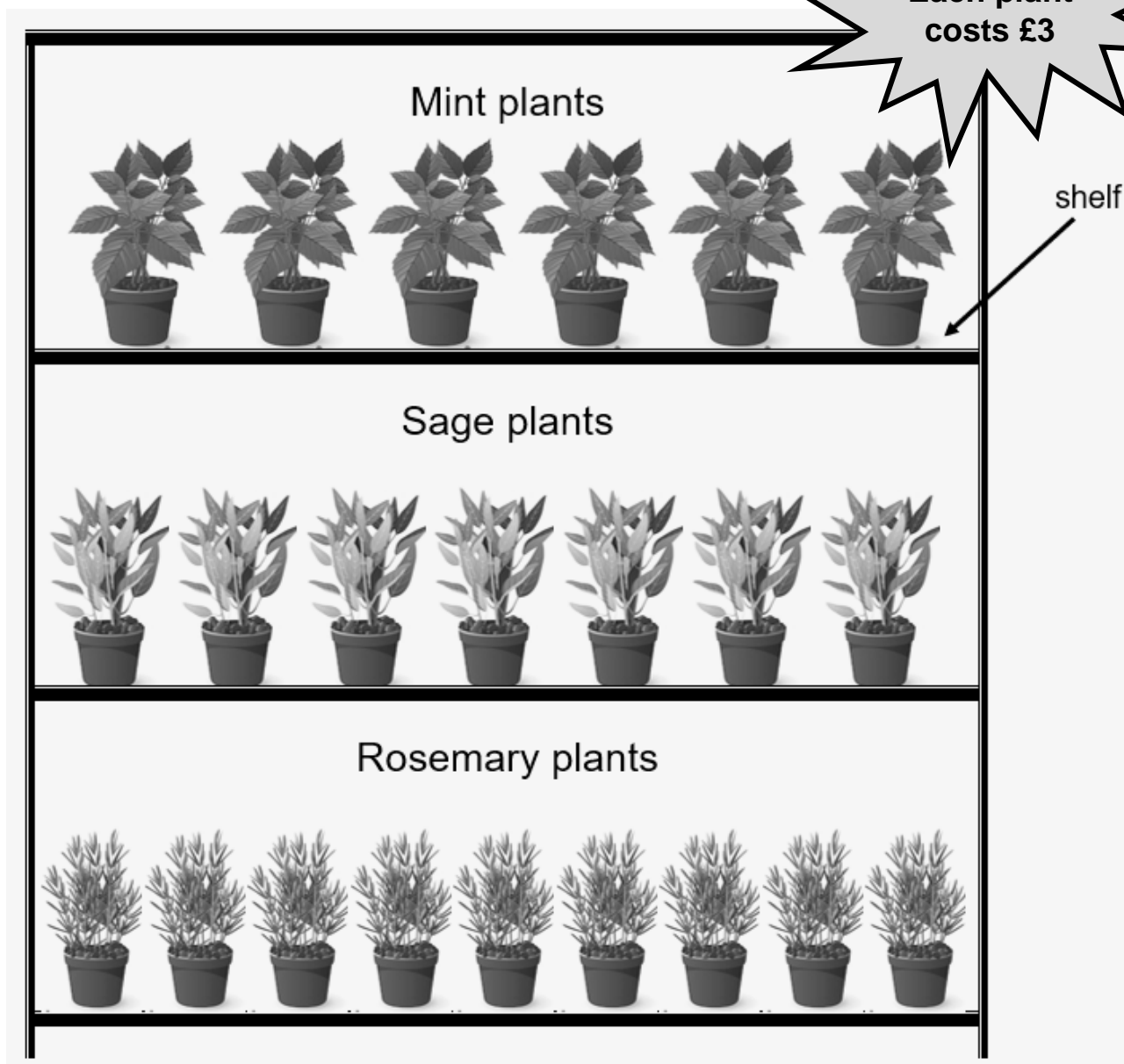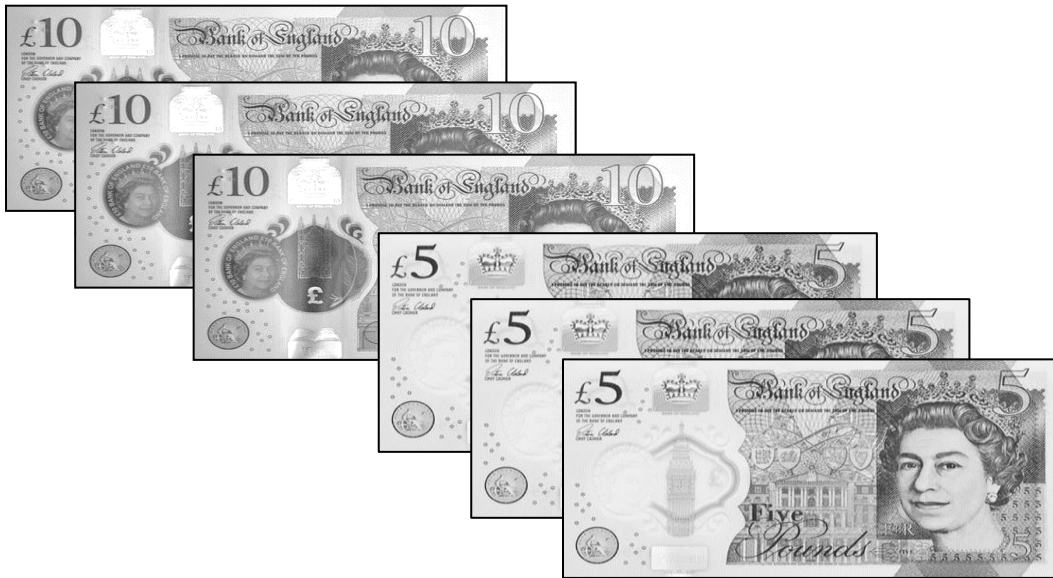
………………………………………………………………………………..

………………………………………………………………………………..

1 mark

The customer has this amount of money

b

How much money does he have altogether?

Show your working out.

....

....

Amount of money £ ....

2 marks

He buys 12 plants.

c

How much money will he have left?
Give units with your answer.

Show your working out.

....

....

Money left ....

3 mark

Q6 Another customer wants to buy this flower planter.

64 cm

140 cm
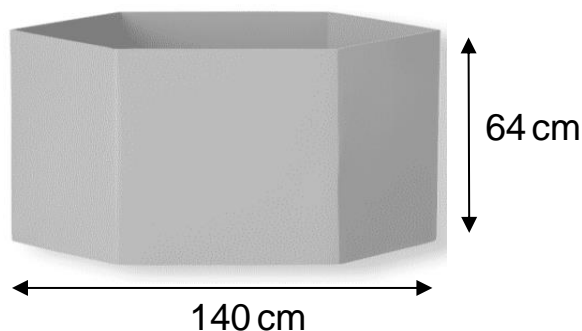
Flower planter

a What shape is the base of this planter?

.... **1 mark**

b What is the height of the planter?
Give units with your answer.

.... **1 mark**

The planter costs £88.
The customer sees this special offer.

Special Offer
planters
half price today

c What is the price of the planter today?

Show your working out.

……………………………………………………………………………………

……………………………………………………………………………………

£ …………… **2 marks**

Q7 A customer wants to buy a large bag of compost.
She asks an assistant how much the **largest** bag costs.

The assistant looks at this table.

Bags of compost		
Bag	**Size**	**Price**
A	35 litres	£4
B	50 litres	£6
C	25 litres	£5
D	125 litres	£8
E	120 litres	£9

The assistant makes a note for the customer.
Complete the note.

Compost

Size ………litres   Price £……...

2 marks

Q8 The supervisor receives a bonus payment on each day when the
garden centre sells **more than 30** rose plants.

In **Week 1** the supervisor did not receive a bonus.

The table shows the sales of rose plants in **Week 2**.

| Number of rose plants sold						
Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**	**Saturday**	**Sunday**
23	32	25	33	36	38	31

a Which days will the supervisor receive a bonus?
Tick all those days.

2 marks

The manager wants a chart to show the largest number of rose plants sold on one day in **Week 1** and **Week 2**.
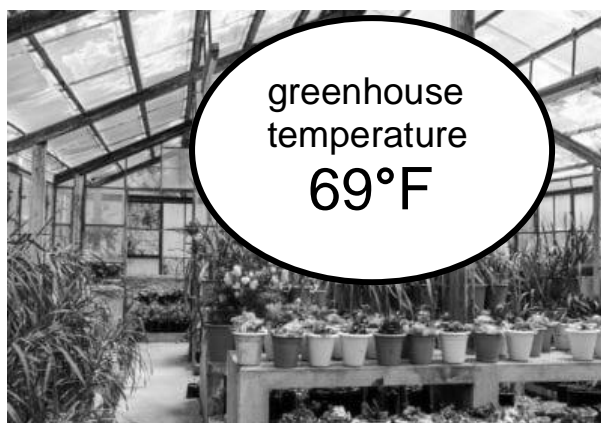
In **Week 1** the largest number sold was 18.

b Draw **two** bars to complete the bar chart.

Largest number of rose plants sold
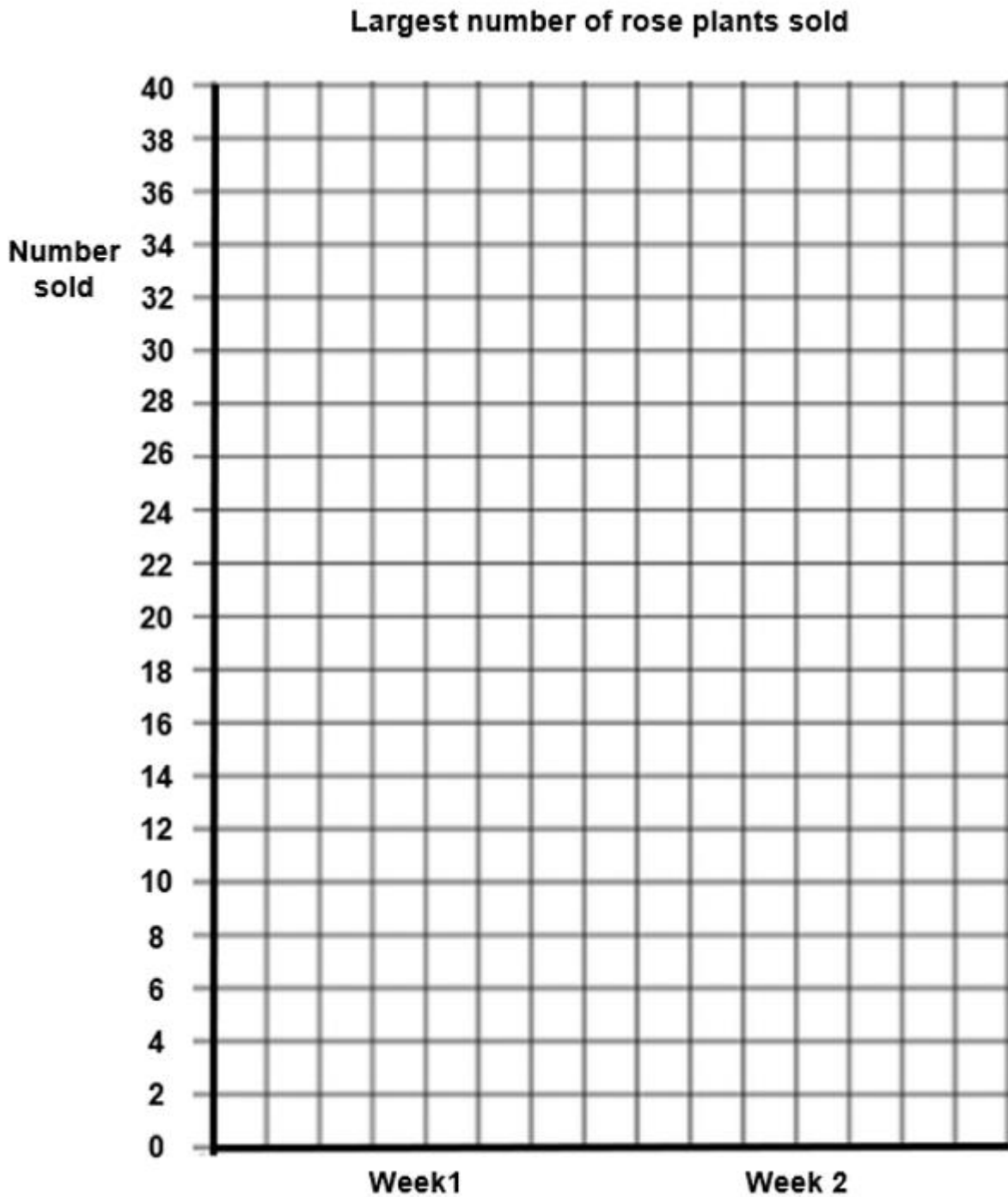
3 marks

Q9 A gardener checks the temperature inside a greenhouse.

greenhouse temperature **69°F**

The temperature should be 80°F

a

How much hotter should the greenhouse be?

....

....°F

2 marks

The gardener should finish his work shift at a quarter past 5.

He checks his watch.
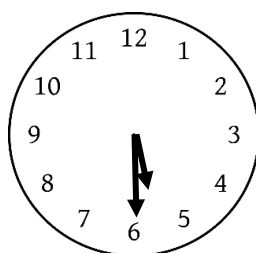
b

Has he finished his shift?
Explain why you think your answer is correct.

Yes / No ……………

I think my answer is correct because……………………...

....

.... **2 marks**