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.

= + − × ÷ 1 mark

Q4: Tick all the small white cylinders. 1 mark
Q5  A trainee does this calculation.

\[
\begin{array}{c}
98 \\
- \\
41 \\
= \\
57
\end{array}
\]

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

\[
\begin{array}{c}
\_ \\
- \\
\_ \\
= \\
\_
\end{array}
\]

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**.

\[
\begin{array}{c}
\_ \\
\_ \\
\_ \\
\_ \\
\_
\end{array}
\]

1 mark
Q7  This bar chart shows the number of customers at a garden centre 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.

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.

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 ________________________  

www.cityandguilds.com  
March 2020  
Version 1.2
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.

The garden centre has these different sizes of seed trays.

![Seed trays](image)

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

Explanation ..............................................................................................................................................

..........................................................................................................................................................

..........................................................................................................................................................

..........................................................................................................................................................

..........................................................................................................................................................


3 marks
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

What does the assistant say?

.............................................................................................................................................

.............................................................................................................................................

1 mark
The customer has this amount of money

How much money does he have altogether?

Show your working out.

________________________________________________________________________

________________________________________________________________________

Amount of money £ ................................................................. 2 marks

He buys 12 plants.

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

Show your working out.

________________________________________________________________________

________________________________________________________________________

Money left ................................................................. 3 marks
Q6 Another customer wants to buy this flower planter.

Flower planter

140 cm
64 cm

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.

The customer sees this special offer.

Special Offer
planters
half price today

£ 64 cm

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.

<table>
<thead>
<tr>
<th>Bags of compost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bag</td>
</tr>
<tr>
<td>A</td>
</tr>
<tr>
<td>B</td>
</tr>
<tr>
<td>C</td>
</tr>
<tr>
<td>D</td>
</tr>
<tr>
<td>E</td>
</tr>
</tbody>
</table>

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

\[
\begin{array}{ccc}
\text{Compost} & \text{Size} \ldots \ldots \text{litres} & \text{Price} \ £\ldots\ldots \\
\end{array}
\]

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.

<table>
<thead>
<tr>
<th>Number of rose plants sold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
</tr>
<tr>
<td>23</td>
</tr>
</tbody>
</table>

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.
Q9 A gardener checks the temperature inside a greenhouse.

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
Total marks: 27

End of calculator paper
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Functional Skills Mathematics (4748)
Entry 2 Sample Assessment

Mark scheme and Assessment record

Garden Centre
Assessor notes for marking

The assessor must mark the assessment according to the mark scheme.

- Apply the mark scheme methodically.
- Initially apply the unshaded section for each question.
- If this is not achieved, work down the shaded rows until you find the appropriate mark.
- If none of the shaded sections are met then award 0 for that part of the mark scheme.

Marks should always be awarded for correct answers whether numbers are written as words or figures, unless otherwise stated by the question paper or mark scheme.

Assessors must not penalise incorrect spelling.

Units, numbers or words shown in brackets on the mark scheme are not required for the awarding of mark/s on the candidate's paper.

The candidate’s marks from each paper must be added together to get the final mark. The pass mark for the assessment is 19.

The assessment record must be completed for each candidate.

Entry 2 Garden Centre - Mark scheme and Assessment record

Candidate name: _________________________________

<table>
<thead>
<tr>
<th></th>
<th>SCS</th>
<th>Marks</th>
<th>Candidate Mark</th>
<th>Assessor feedback/comments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Non-calculator</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>paper</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>61</td>
<td>3</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>8 r2 accept 8.25 or 8 ¼</td>
<td>8</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>÷ sign chosen (this mark is for recognition of the symbol, so as long as the symbol is indicated the mark can be awarded, even if not filled in the box in the calculation above)</td>
<td>4</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>the four small white cylinders only indicated (all four required)</td>
<td>24</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>100 AND 40 AND 60</td>
<td>9</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>55g, 75g, 100g, 125g</td>
<td>15</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Monday</td>
<td>23</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>D</td>
<td>2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>2m indicated</td>
<td>11</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>Total marks available for non-calculator paper</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calculator paper</td>
<td>SCS</td>
<td>Marks</td>
<td>Candidate Mark</td>
<td>Assessor feedback/comments</td>
</tr>
<tr>
<td>------------------</td>
<td>-----</td>
<td>-------</td>
<td>----------------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>1 52 (weeks)</td>
<td></td>
<td>7</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2 6 seen or D indicated</td>
<td></td>
<td>20</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>3 44</td>
<td></td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>4 seed trays (width) 15cm and (width) 14cm only ticked and a valid explanation using numbers eg seed trays 14(cm) and 15(cm) are smaller than 16(cm) eg the shelf is 16(cm) which is more than 14(cm) and 15(cm)</td>
<td>14, 18</td>
<td>3</td>
<td></td>
<td></td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>5a a correct description using positional vocabulary of the relationship eg on the top shelf eg above the sage or similar wording</td>
<td>21</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5b (£)45</td>
<td></td>
<td>6</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5c (£9 or their 5c – 36 with units 36 seen</td>
<td>6, 5, 12</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6a hexagon</td>
<td></td>
<td>19</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>6b 64cm</td>
<td></td>
<td>14</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>6c (£)44</td>
<td></td>
<td>10,8</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 (size) 125 (litres) and (price) (£)8 D or 125 (litres) or (£)8</td>
<td>16, 22</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8a 5 days only ticked Tuesday or 32, Thursday or 33, Friday or 36, Saturday or 38, Sunday or 31</td>
<td>2, 22</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8b one bar drawn to 18 ± ¼ square one bar drawn to 38 ± ¼ square both bars drawn above correct label</td>
<td>2, 22, 25</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Functional Skills (4748) – Entry 2 Mathematics - Sample Assessment – Garden Centre**
9a. 11°F (hotter)
   - a correct method for finding the difference between 80°F and 69°F
     eg 80 - 69
   - 17 marks
   - (1 mark)

9b. yes and explanation referring to half past five is after quarter past five or equivalent
   half past five or equivalent seen
   - 13 marks
   - (1 mark)

**Total marks available calculator paper**

---

| Candidate mark for non-calculator paper | / 9 |
| Candidate mark for calculator paper     | / 27 |
| Candidate total mark                    | / 36 |
| Total marks available: 36               | Pass mark: 19 |
| PRINT Assessor name:                    | Signature: | Date: |
| PRINT IQA’s Name: (if sampled)          | Signature: | Date: |

Please indicate as applicable:

- Candidate has achieved
  - ☐

- Candidate has not achieved
  - ☐