SAMPLE ASSESSMENT MATERIAL
LEVEL 1 FUNCTIONAL SKILLS MATHEMATICS
08848   Non calculator paper
Time allowed: 30 minutes

You can use:
• a pen with black ink
• a HB pencil for graphs and diagrams
• geometric instruments

Do not use
• a calculator

For each question, make sure that you:
• read the questions carefully before starting
• write your answers in this booklet in the space/box provided

Please write clearly with black ink.

Centre number

Candidate number

First name(s)

Last name

Date of birth

INSTRUCTIONS
• Use black ink.
• Answer all the questions.
• Additional paper may be used if required but you must clearly show your candidate number, centre number and question number(s).
• Show your working out for each question. Marks are awarded for your correct working.

INFORMATION
• The total mark for this paper is 20.
• The marks for each question are shown in brackets [ ].
• This document consists of 8 pages.
1. Draw a triangle that has one angle larger than 90°.

2. \( \text{(a)} \) Calculate \( 125.50 \div 5 \).
   
   \[ \text{…………………………………} \]  
   
   \[ \text{[1]} \]

   \( \text{(b)} \) Round your answer to part (a) to the nearest whole number.

   \[ \text{…………………………………} \]  
   
   \[ \text{[1]} \]
The points scored by 100 people in a quiz are shown in two different ways, a table and a bar chart.

<table>
<thead>
<tr>
<th>Points scored</th>
<th>Number of people</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 to 14</td>
<td>9</td>
</tr>
<tr>
<td>15 to 19</td>
<td>22</td>
</tr>
<tr>
<td>20 to 24</td>
<td>41</td>
</tr>
<tr>
<td>25 to 29</td>
<td>25</td>
</tr>
<tr>
<td>30 to 34</td>
<td>3</td>
</tr>
<tr>
<td>35 to 39</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100</strong></td>
</tr>
</tbody>
</table>

![Bar chart showing the points scored in quiz](image-url)
Use the table and bar chart to answer these questions.

(a) How many people have a score of 14 points?

.................................................................................. [1]

(b) What is the maximum possible range of the points scored by these people? Give a reason for your answer.

Reason........................................................................... [2]

(c) The total number of points scored by the whole group is 2150.
Ben says the mean score is 20.5

Use multiplication to check Ben’s answer.

Show your working

.................................................................................. [2]

[Turn over
4 One day at a theme park
- $\frac{4}{5}$ of visitors go on all the rides
- 5% of visitors don't go on any rides.

(a) Which is larger, $\frac{4}{5}$ or 5%?

(b) There are 1200 visitors to the theme park on this day.

(i) Calculate the number of visitors that go on all the rides.

(ii) Calculate the number of visitors that don't go on any rides.
5 A journey starts at 11:23 am and takes 78 minutes.

What time does the journey end?

[2]

6 A loan of £387.25 needs to be repaid with 35% interest.

Calculate an estimate of the total amount to repay.

[3]

End of paper
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MARKING INSTRUCTIONS

PREPARATION FOR MARKING

Marking

1. Mark strictly to the mark scheme.

2. Marks awarded must relate directly to the marking criteria.

3. If you are in any doubt about applying the mark scheme, consult your Team Leader by telephone or by email.

4. Work crossed out:
   a. where a candidate crosses out an answer and provides an alternative response, the crossed out response is not marked and gains no marks
   b. if a candidate crosses out an answer to a whole question and makes no second attempt, and if the inclusion of the answer does not cause a rubric infringement, the assessor should attempt to mark the crossed out answer and award marks appropriately.

5. Always check the pages (and additional lined pages if present) at the end of the response in case any answers have been continued there. If the candidate has continued an answer there then add an annotation to confirm that the work has been seen.

Subject-Specific Marking Instructions

6. If the correct answer (detailed in the ‘Answer’ column) is clearly given then full marks should be awarded.

7. Figures or expressions that are being followed through will appear after the word their for clarity, e.g. 180 × their ‘37’ + 16, or 300 – √(their ‘5² + 7²’). Answers to part questions which are being followed through are indicated by e.g. 3 × their (a).

For questions with follow through available you must ensure that you refer back to the relevant previous answer.
8. The following abbreviations are commonly found in Functional Skills mark schemes and in script annotation. They should be followed when annotating scripts in order to clarify where and why credit has been given.
- **ft** means follow through indicating when this has occurred.
- **bod** means benefit of doubt situations indicating assessor judgement.
- **nfww** means not from wrong working.
- **oe** means or equivalent.
- **seen** means that you should award the mark if that number/expression is seen anywhere in the answer space, including the answer line, even if it is not in the method leading to the final answer.
- **soi** means seen or implied.

9. Make no deductions for wrong work after an acceptable answer unless the mark scheme says otherwise, indicated for example by the instruction ‘mark final answer’.

10. As a general principle, if two or more methods are offered, mark only the method that leads to the answer on the answer line. If two (or more) answers are offered, mark the poorer (poorest).

11. If the correct answer is seen in the body and the answer given in the answer space is a clear transcription error allow full marks unless the mark scheme says ‘mark final answer’.

   If the answer space is blank but the correct answer is seen in the body allow full marks.

   If the correct answer is seen in the working but a completely different answer is seen in the answer space, then the answer is incorrect. Use the guidance column to award any available marks for workings.

12. Ranges of answers given in the mark scheme are always inclusive.

13. For methods not provided for in the mark scheme give as far as possible equivalent marks for equivalent work. If in doubt, consult your Team Leader.

14. Anything in the mark scheme which is in brackets (…) is not required for the mark to be earned, but if present it must be correct.
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
<th>Marks</th>
<th>Guidance</th>
<th>Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>A correct triangle drawn</td>
<td>1</td>
<td></td>
<td>L1M24</td>
</tr>
<tr>
<td>2 (a)</td>
<td>25.10</td>
<td>1</td>
<td></td>
<td>L1N11</td>
</tr>
<tr>
<td>(b)</td>
<td>25</td>
<td>1</td>
<td></td>
<td>L1N12</td>
</tr>
<tr>
<td>3 (a)</td>
<td>5</td>
<td>1</td>
<td></td>
<td>L1D28</td>
</tr>
<tr>
<td>(b)</td>
<td>No-one scored 34. 23</td>
<td>2</td>
<td>1 mark: <em>their</em> 33 - <em>their</em> 10 or 1 mark: 23</td>
<td>L1D29</td>
</tr>
<tr>
<td>(c)</td>
<td>20.5 × 100 = 2050 Ben is wrong, total is not 2150</td>
<td>2</td>
<td></td>
<td>L1N4 (1) L1D29 (1)</td>
</tr>
<tr>
<td>4 (a)</td>
<td>$\frac{4}{5}$</td>
<td>1</td>
<td></td>
<td>L1N16</td>
</tr>
<tr>
<td>(b) (i)</td>
<td>960</td>
<td>3</td>
<td>1 mark: $1200 \div 5 = 240$ 1 mark: <em>their</em> 240 × 4 1 mark: correct answer to <em>their</em> calculation</td>
<td>L1N9</td>
</tr>
<tr>
<td>(ii)</td>
<td>60</td>
<td>3</td>
<td>1 mark: $1200 \div 10 = 120$ 1 mark: <em>their</em> 120 ÷ 2 1 mark: correct answer to <em>their</em> calculation</td>
<td>L1N14a</td>
</tr>
<tr>
<td>Question</td>
<td>Answer</td>
<td>Marks</td>
<td>Guidance</td>
<td>Coverage</td>
</tr>
<tr>
<td>----------</td>
<td>--------</td>
<td>-------</td>
<td>----------</td>
<td>----------</td>
</tr>
<tr>
<td>5</td>
<td>12:41 [pm]</td>
<td>2</td>
<td>1 mark: counting 78 mins on oe from 11:23 or answer 12:41am or 00:41</td>
<td>L1M20</td>
</tr>
<tr>
<td>6</td>
<td>(£)540</td>
<td>3</td>
<td>1 mark: evidence of (£)387.25 = (£)400 or (£)390 &lt;br&gt;1 mark: Interest:.35 x 387.25 = 135.5(375…) or .35 x 400 = 140 or .35 x 390 = 136.5 &lt;br&gt;1 mark: Total cost <em>their</em> interest + (£)387.25 = (522.7(875) or 526.5)</td>
<td>L1M18</td>
</tr>
</tbody>
</table>

Total marks 20