



National  
Qualifications  
2026

---

## **2026 Graphic Communication**

### **National 5**

#### **Question Paper Finalised Marking Instructions**

These marking instructions have been prepared by examination teams for use by Qualifications Scotland appointed markers when marking external course assessments.

The information in this document may be reproduced in support of Qualifications Scotland qualifications only on a non-commercial basis. If it is reproduced, Qualifications Scotland must be clearly acknowledged as the source. If it is to be reproduced for any other purpose, written permission must be obtained from Qualifications Scotland.

## General marking principles for National 5 Graphic Communication

*Always apply these general principles. Use them in conjunction with the specific marking instructions, which identify the key features required in candidates' responses.*

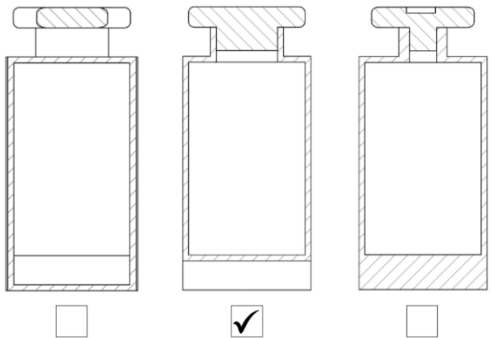
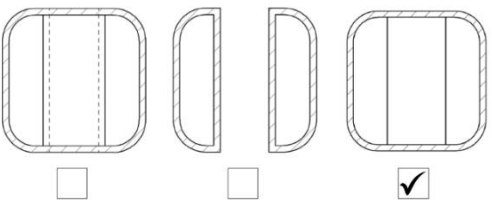
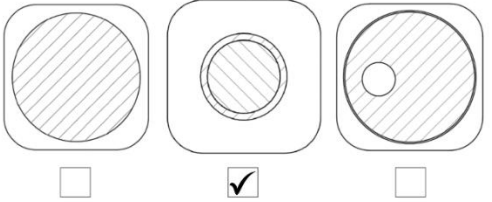
- (a) Always use positive marking. This means candidates accumulate marks for the demonstration of relevant skills, knowledge and understanding; marks are not deducted for errors or omissions.
- (b) If a candidate response does not seem to be covered by either the principles or detailed marking instructions, and you are uncertain how to assess it, you must seek guidance from your team leader.
- (c) For 'Describe' questions  
Candidates must provide a statement or structure of characteristics and/or features, not just an outline or a list. For example they can refer to a concept, experiment, situation or facts in the context of and appropriate to the question. The number of marks available for a question indicates the number of factual/appropriate points required.
- (d) For 'Explain' questions  
Candidates must relate cause and effect and/or define relationships. This must be in the context of the question, or a specific area within the question.
- (e) For 'Compare' questions  
Candidates must demonstrate knowledge and understanding of the similarities and/or differences between things, methods, or choices. This must be in the context of the question, or a specific area within the question.
- (f) Candidates can respond to any question using text, sketching, annotations or combinations of these. Award marks for the information conveyed. Do not award marks for the quality of sketching.

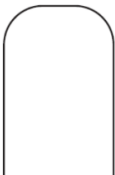
## Marking instructions for each question

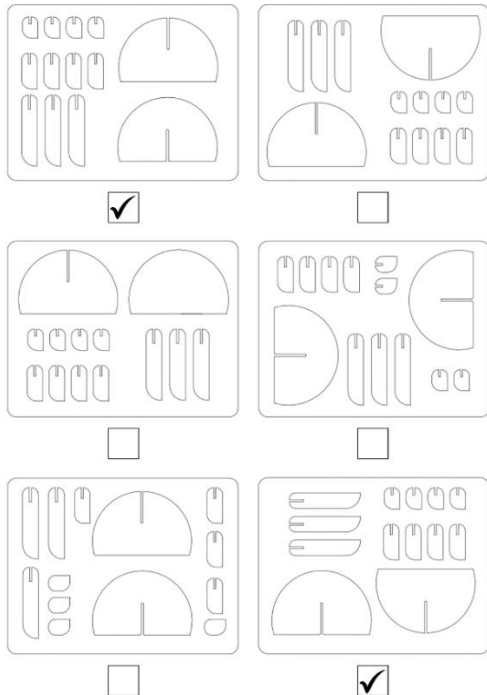
| Question |     |      | Expected response                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Max mark | Additional guidance            |
|----------|-----|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------|
| 1.       | (a) | (i)  | pie chart                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1        |                                |
|          |     | (ii) | <ul style="list-style-type: none"> <li>• shows percentages</li> <li>• shows parts of a whole</li> <li>• all segments add up to 100%</li> </ul>                                                                                                                                                                                                                                                                                                                                              | 1        |                                |
|          | (b) |      | <ul style="list-style-type: none"> <li>• segments getting bigger as percentage increases</li> <li>• larger segments are layered on top of smaller segments</li> <li>• the use of a drop shadow to indicate the largest segment being closest</li> <li>• text gets larger as segments get larger</li> <li>• tone of colours become darker as segments increase in size</li> </ul>                                                                                                            | 3        |                                |
|          | (c) | (i)  | line graph                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1        |                                |
|          |     | (ii) | <ul style="list-style-type: none"> <li>• shows trend/change over time</li> <li>• can help make predictions for future data</li> </ul>                                                                                                                                                                                                                                                                                                                                                       | 1        | Accept “trend”.                |
|          | (d) | (i)  | <ul style="list-style-type: none"> <li>• the green shapes overlapping the black line</li> <li>• the red shapes overlapping the black line</li> <li>• drop shadow on the 1002</li> <li>• 1002 overlaps the red shape</li> <li>• 1002 overlaps the black line</li> <li>• overlapping of logo on red line</li> <li>• red/green lines overlap the black line</li> <li>• the red shape at the top overlaps the green line</li> <li>• the red shape at the top overlaps the black line</li> </ul> | 2        | Any other acceptable response. |

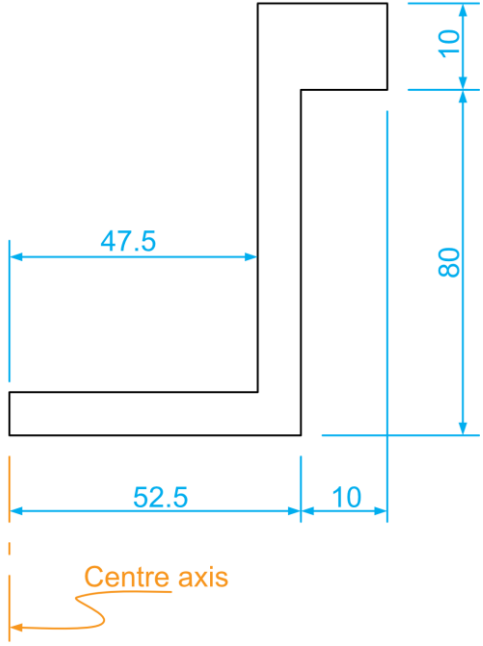
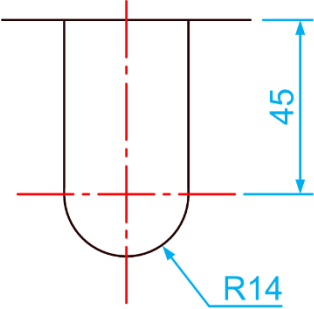
| Question |     |       | Expected response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Max mark | Additional guidance                                                                                                                                                                                                                             |
|----------|-----|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.       | (d) | (ii)  | <ul style="list-style-type: none"> <li>repeated use of font for “Pulse” and text in shapes</li> <li>repeated use of font for text inside the shapes</li> <li>repeated use of “hours of listening” and “a year in summary”</li> <li>repeated use of green colour in two or more features</li> <li>repeated use of red in two or more features</li> <li>repeated use of style of shapes</li> <li>use of red and green lines at the top and bottom on the graphic</li> <li>repeated use of thin curved lines</li> <li>black line connects various elements together</li> </ul>                                                                                                                                                                                                                         | 2        | <p>Response must make reference to the relationship between two or more elements.</p> <p>Do not accept “same font used throughout”.</p> <p>The style of shapes can be described in a variety of ways.</p> <p>Any other acceptable response.</p> |
|          |     | (iii) | <ul style="list-style-type: none"> <li>the green shapes contrast with the red shapes</li> <li>the green lines and the red lines</li> <li>curvy shapes against the black line</li> <li>contrast between the black line and coloured lines</li> <li>contrast in size of the organic shapes</li> <li>bright coloured shapes against the pale background</li> <li>the use of organic green and red lines at the top and bottom of the graphic against the angled black line</li> <li>“1002” font style contrasts with the “pulse” font style</li> <li>thick and thin line weights contrast</li> <li>straight and curved lines contrast</li> <li>black “Pulse” text contrasting against the background</li> <li>reverse text used on “1002”</li> <li>reverse text used on “A year in summary”</li> </ul> | 2        | <p>Response must make reference to the relationship between two or more elements.</p> <p>Accept “light brown” (or similar colour) as reference to background.</p> <p>Any other acceptable response.</p>                                         |
|          | (e) |       | <ul style="list-style-type: none"> <li>logo and hours of listening centre aligned</li> <li>‘A year in summary’ horizontally aligned to black line</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1        | <p>Response must make reference to the relationship between two or more elements.</p> <p>Response must make reference to the type of alignment used (ie centre, vertical, etc).</p>                                                             |

| Question |     |      | Expected response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Max mark | Additional guidance                                                                |
|----------|-----|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------|
| 2.       | (a) | (i)  | <ul style="list-style-type: none"> <li>• help advertise a design</li> <li>• provide a realistic representation of a product</li> <li>• used to contextualise a product</li> <li>• show colours or materials used</li> <li>• to attract potential customers</li> </ul>                                                                                                                                                                                                                                 | 1        | Do not accept “Show what a product looks like”.                                    |
|          |     | (ii) | <ul style="list-style-type: none"> <li>• scanner</li> <li>• camera</li> <li>• mobile phone</li> <li>• tablet/iPad/chromebook</li> <li>• graphics tablet</li> <li>• visualiser</li> </ul>                                                                                                                                                                                                                                                                                                              | 2        |                                                                                    |
|          | (b) |      | 1:200<br>1:250<br>1:500                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1        | Accept any of the three.                                                           |
|          | (c) |      | <ul style="list-style-type: none"> <li>• communicates sloping features on landscapes</li> <li>• communicates changes in height of terrain/ground/land</li> <li>• communicates the direction of slopes</li> <li>• communicates the steepness of slopes</li> </ul>                                                                                                                                                                                                                                      | 1        |                                                                                    |
|          | (d) |      | north-west                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1        |                                                                                    |
|          | (e) |      | east                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1        |                                                                                    |
|          | (f) |      | <ul style="list-style-type: none"> <li>• easy to collaborate with more people in different locations</li> <li>• files can be accessed from anywhere</li> <li>• allows for continual workflow globally</li> <li>• ability to choose where to work</li> <li>• reduction in travel time/costs</li> <li>• to share documents electronically</li> <li>• less impact on the environment due to reduction in travelling</li> <li>• a company does not have to spend money renting an office space</li> </ul> | 2        | Do not accept a reference to individual employees being able to work for 24 hours. |

| Question |     |       | Expected response                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Max mark | Additional guidance                                          |
|----------|-----|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------|
| 3.       | (a) |       | <ul style="list-style-type: none"> <li>45x45mm square extruded by 80 (1 mark)</li> <li>fillet of R10 applied to edges (1 mark)</li> <li>25dia circle extruded by 10mm (1 mark)</li> <li>15x10mm sketch on side face AND full subtraction</li> </ul> <p>OR</p> <ul style="list-style-type: none"> <li>15x45mm sketch on bottom face AND subtraction of 10mm (1 mark)</li> <li>shell 2mm and remove top face (1 mark)</li> <li>shell applied last (1 mark)</li> </ul> | 6        |                                                              |
|          | (b) | (i)   | revolve                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1        |                                                              |
|          |     | (ii)  | fillet                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1        |                                                              |
|          |     | (iii) | Subtract or exclude subtract                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1        |                                                              |
|          | (c) | (i)   |                                                                                                                                                                                                                                                                                                                                                                                  | 1        |                                                              |
|          |     | (ii)  |                                                                                                                                                                                                                                                                                                                                                                                  | 1        |                                                              |
|          |     | (iii) |                                                                                                                                                                                                                                                                                                                                                                                  | 1        |                                                              |
|          | (d) |       | <ul style="list-style-type: none"> <li>centre axis both components (1 mark)</li> <li>mate correct faces together (1 mark)</li> </ul>                                                                                                                                                                                                                                                                                                                                | 2        | Mate requires the faces to be described/identified/labelled. |

| Question |     |  | Expected response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Max mark | Additional guidance                                                                                                                                          |
|----------|-----|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4.       | (a) |  | <ul style="list-style-type: none"> <li>• produce a range of ideas</li> <li>• plan for 3D modelling</li> <li>• show the <b>client</b></li> <li>• quick to produce</li> <li>• aid development of ideas</li> </ul>                                                                                                                                                                                                                                                                                                    | 2        | Do not accept “show ideas”.                                                                                                                                  |
|          | (b) |  | <ul style="list-style-type: none"> <li>• reduced use of paper</li> <li>• easier to edit</li> <li>• tools available</li> <li>• can explore colours/textures more easily</li> <li>• ease of sharing (must be contextualised)</li> <li>• can act on feedback without having to start again</li> <li>• layers can be used</li> </ul>                                                                                                                                                                                   | 2        | <p>Do not accept any response related to accuracy.</p> <p>Do not accept any response related to cost.</p> <p>Do not accept “ease of sharing” on its own.</p> |
|          | (c) |  | <ul style="list-style-type: none"> <li>• reach wider audience</li> <li>• reduction in cost (this must be justified)</li> <li>• ease of editing</li> <li>• 24-hour editing</li> <li>• ease of sharing/sharing updates</li> <li>• easy to access anywhere</li> <li>• instant updates</li> <li>• advantages of cloud/online storage to back up</li> <li>• ability to embed video/audio/links</li> <li>• less physical materials required</li> </ul>                                                                   | 2        |                                                                                                                                                              |
|          | (d) |  | <div>   </div> <div> <input checked="" type="checkbox"/> <input type="checkbox"/> </div> <div>   </div> <div> <input type="checkbox"/> <input type="checkbox"/> </div> | 1        |                                                                                                                                                              |
|          | (e) |  | <div>    </div> <div> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </div>                                                                                                                                        | 1        |                                                                                                                                                              |

| Question      |                  |       | Expected response                                                                                                                                                                                                                                                                                            | Max mark | Additional guidance                                                                               |      |                |               |                 |   |  |
|---------------|------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------------|------|----------------|---------------|-----------------|---|--|
| 5.            | (a)              |       |                                                                                                                                                                                                                             | 2        |                                                                                                   |      |                |               |                 |   |  |
|               | (b)              | (i)   | drop shadow                                                                                                                                                                                                                                                                                                  | 1        | Do not accept “shadow”.                                                                           |      |                |               |                 |   |  |
|               |                  | (ii)  | transparency                                                                                                                                                                                                                                                                                                 | 1        | Do not accept “transparent”.                                                                      |      |                |               |                 |   |  |
|               |                  | (iii) | reverse                                                                                                                                                                                                                                                                                                      | 1        | Accept “reverse text”.                                                                            |      |                |               |                 |   |  |
|               |                  | (iv)  | Flow text along a path                                                                                                                                                                                                                                                                                       | 1        | Accept “Text along a path”.<br><br>Do not accept “Flow text”.                                     |      |                |               |                 |   |  |
|               | (c)              |       | <ul style="list-style-type: none"><li>• advancing colour</li><li>• contrasts against background</li><li>• stands out/eye catching</li><li>• creates reverse</li><li>• unity with other elements on page</li><li>• mimics glow of a jellyfish</li><li>• reference to positive emotional connotation</li></ul> | 2        | Do not accept stands out due to dominance/large size.<br><br>Do not accept dominance due to size. |      |                |               |                 |   |  |
|               | (d)              |       | <table><tr><td>Purple</td><td><b>Secondary</b></td></tr><tr><td>Blue</td><td><b>Primary</b></td></tr><tr><td>Yellow-orange</td><td><b>Tertiary</b></td></tr></table>                                                                                                                                         | Purple   | <b>Secondary</b>                                                                                  | Blue | <b>Primary</b> | Yellow-orange | <b>Tertiary</b> | 3 |  |
| Purple        | <b>Secondary</b> |       |                                                                                                                                                                                                                                                                                                              |          |                                                                                                   |      |                |               |                 |   |  |
| Blue          | <b>Primary</b>   |       |                                                                                                                                                                                                                                                                                                              |          |                                                                                                   |      |                |               |                 |   |  |
| Yellow-orange | <b>Tertiary</b>  |       |                                                                                                                                                                                                                                                                                                              |          |                                                                                                   |      |                |               |                 |   |  |
|               | (e)              |       | <ul style="list-style-type: none"><li>• use of colour to match parts together</li><li>• use of symbols to help match parts</li><li>• labelling the names of parts on assembly</li><li>• assembly view showing direction parts slot together</li></ul>                                                        | 2        |                                                                                                   |      |                |               |                 |   |  |

| Question |     |  | Expected response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Max mark | Additional guidance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------|-----|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6.       | (a) |  | <ul style="list-style-type: none"> <li>material</li> <li>textures</li> <li>lighting/light source/light</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2        | Any two.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|          | (b) |  | <ul style="list-style-type: none"> <li>helps to add a sense of realism</li> <li>it can show where lighting and shadows would appear</li> <li>it can show materials</li> <li>it can show textures</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1        | Any one.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|          | (c) |  | <p><b>Extrude Method 1</b></p> <ul style="list-style-type: none"> <li>dia 105 circle extruded by 80 (1 mark)</li> <li>dia 125 circle extruded by 10 (1 mark)</li> <li>dia 95 circle and extrude-subtract 85 (1 mark)</li> <li>correct profile on top edge (1 mark)</li> <li>extrude-subtract correct depth minimum of 15mm (1 mark)</li> </ul> <p><b>Extrude Method 2</b></p> <ul style="list-style-type: none"> <li>dia 105 circle extruded by 80 (1 mark)</li> <li>dia 125 circle extruded by 10 (1 mark)</li> <li>dia 95 circle and extrude-subtract 85 (1 mark)</li> <li>sketch rectangle profile 28mm wide on top surface and extrude subtract by 59mm (1 mark)</li> <li>fillet bottom corners by 14mm (1 mark)</li> </ul> | 5        | <p><b>Revolve Method</b></p> <ul style="list-style-type: none"> <li>correct profile fully dimensioned (1 mark)</li> <li>centre axis identified (1 mark)</li> <li>revolve 360 (1 mark)</li> <li>correct profile on top edge (1 mark)</li> <li>extrude-subtract correct depth - accept minimum of 15mm (1 mark)</li> </ul> <p><b>Revolve profile</b></p>  <p><b>Slot profile</b></p>  |

| Question |     |      | Expected response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Max mark | Additional guidance                              |
|----------|-----|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------------------|
| 6.       | (d) |      | <ul style="list-style-type: none"> <li>• overlapping 50 and 60</li> <li>• mm on 60 dimension</li> <li>• incomplete centre line on plan</li> <li>• hatching incorrect</li> <li>• elevation incorrectly labelled</li> <li>• plan incorrectly labelled</li> <li>• R4 should be diameter</li> <li>• diameter 30 should be a radius</li> <li>• sectional end elevation on the wrong side OR arrows on wrong side of cutting plane</li> <li>• R52.5 on plan should be diameter</li> <li>• R47.5 on plan should be diameter</li> <li>• centre line missing on plan</li> <li>• centre line missing on elevation</li> <li>• centre line on Section A-A does not extend far enough</li> </ul> | 6        |                                                  |
|          | (e) | (i)  | <ul style="list-style-type: none"> <li>• to show 3<sup>rd</sup> angle projection is used</li> <li>• to show the way the drawing/ views are projected/laid out</li> <li>• to show projection type used</li> <li>• orientation/layout of views</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                             | 1        | Do not accept “3rd Angle Projection” on its own. |
|          |     | (ii) | <ul style="list-style-type: none"> <li>• scale</li> <li>• date</li> <li>• product/part name</li> <li>• product/part number</li> <li>• drawing/Page number</li> <li>• drawn by</li> <li>• tolerances</li> <li>• unit of measurement</li> <li>• materials</li> <li>• company brand</li> <li>• drawing type</li> </ul> <p><b>Any other suitable response.</b></p>                                                                                                                                                                                                                                                                                                                      | 3        |                                                  |
|          | (f) |      | <p>A - 60<br/>B - 5<br/>C - 10<br/>D - 40</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4        |                                                  |

[END OF MARKING INSTRUCTIONS]