



National 5
coursework
assessment task



National 5 Graphic Communication Assignment Finalised Marking instructions

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

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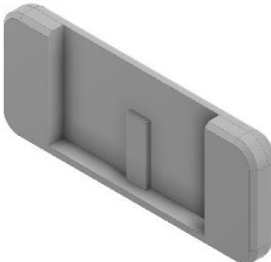
General marking principles

This information is provided to help you understand the general principles that must be applied when marking candidate responses in this assignment. These principles must be read in conjunction with the detailed marking instructions, which identify the key features required in candidate responses.

- a Marks for each candidate response must **always** be assigned in line with these general marking principles and the detailed marking instructions for this assessment.
- b Marking should always be positive. This means that, for each candidate response, marks are accumulated for the demonstration of relevant skills, knowledge and understanding: they are not deducted from a maximum on the basis of errors or omissions.
- c If a specific candidate response is not covered by either the general marking principles or detailed marking instructions, you must seek guidance from your team leader.

Marking instructions for each question

In all cases, where the candidate's work does not meet the lowest range statement, or where no evidence is provided, then zero marks should be awarded.

Task	Expected response	Max mark	Additional guidance
1. (a)	Related views of each component. Must be fully correct, including hidden detail: - button (5:1) (1 mark) - direction pad (5:1) (1 mark) - analogue stick (5:1) (1 mark) - screen (1:1) (1 mark) - dock (1:1) (2 marks) all components' Elevation orientated correctly, produced to the scale identified and no sectional views produced instead of end Elevation or Plan views. (1 mark) enough dimensioning to allow for manufacture. (1 mark) button (all dimensions required) direction pad (all dimensions required) analogue stick (all dimensions required) screen (all dimensions required) dock (maximum of 2 blue dimensions or a maximum of 4 green dimensions missing)	8	Gaming device dock 1 mark to this stage. (This includes the fillet at the back) Gaming device dock - second mark for subtractions being correct following this stage.  If a candidate has not dimensioned the individual components, marks should be awarded where the views contain all relevant features and appropriate proportion. You may wish to look at other evidence in this task to help you make your judgement. Where evidence of dimensioning shows the potential for automatic rounding up having taken place due to a decimal point, award the mark for the component being correct. Apply follow on rule where appropriate. Where candidates have manually edited dimensions, award 0 marks for dimensioning. Do not measure the lengths to check the scale as there may be printing issues affecting the scale.

Task	Expected response	Max mark	Additional guidance								
1. (a)	(continued)										
	The drawing shows three views of a mechanical component: Plan View: A top-down view showing a rectangular part with rounded ends. Dimensions include a total length of 260, a central slot width of 5, and end radii of R15 and R5. A hole with a diameter of 15 is located on the left end. Elevation View: A front view showing the profile of the part. It includes a central rectangular feature with a width of 20 and a height of 60. The overall height is 100. There are four holes on the right side, with diameters of 10 and 15. The left end has a hole with a diameter of 15. The bottom edge has a radius of R20. End Elevation View: A side view showing the end profile. It has a width of 30 and a height of 110. The top edge is chamfered at 4x45°. Title Block: <table border="1"> <tr> <td>Dock</td> <td>Graphic Communication</td> <td>Date: 01.05.2026</td> <td>Qualifications Scotland</td> </tr> <tr> <td>Assignment Solutions</td> <td>National 5</td> <td>Production Drawings</td> <td>Scale: 1:1 All sizes in mm All dimensions ± 0.5mm</td> </tr> </table>			Dock	Graphic Communication	Date: 01.05.2026	Qualifications Scotland	Assignment Solutions	National 5	Production Drawings	Scale: 1:1 All sizes in mm All dimensions ± 0.5mm
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Task		Expected response	Max mark	Additional guidance
1.	(b)	- accurate assembly - no overlaps or gaps (1 mark) - sectional view cutting through the vertical centre of the left analogue stick (1 mark) - sectional view cutting through the vertical centre of the right analogue stick (1 mark) - all views related, Elevation orientated correctly and produced to a scale of 1:2 (1 mark)	4	Apply follow on rule where appropriate. Do not measure the lengths to check the scale is 1:2 as there may be printing issues affecting the scale.
	(c)	- correct orientation (isometric and orientation from data sheet 1a) (1 mark) - correct spacing and alignment - no overlap of components (1 mark)	2	All components must be exploded to achieve full marks. Where colour/shading has been applied, only award marks where visible edges(lines) are evident. Where only a fully rendered image is provided, a maximum of 1 mark can be awarded if the spacing and alignment is correct. Apply follow on rule where appropriate.

Task		Expected response	Max mark	Additional guidance
1.	(d)	- sufficient range of evidence with some inconsistencies across all drawings (2 marks) - sufficient range of evidence with many inconsistencies (1 mark) - poor range of evidence and many inconsistencies (0 marks)	2	If third angle projection is not used for any view, a maximum of 1 mark can be awarded at 1d. If no centre lines are shown at 1a, a maximum of 1 mark can be awarded at 1d. Ignore centre marks from task 1b. Evidence will come from: - dimensioning - centre lines 3rd angle projection - component titles 3rd angle symbol - line types - view labels - title blocks - correct hatching

Task		Expected response	Max mark	Additional guidance
2.	(a)	Suitable materials used for each part: • button - plastic • direction pad - plastic • screen - white plastic • analogue stick - plastic • dock - plastic Any colour except grey for these components. AND Appropriate lighting/highlights/shadows and pictorial view. (1 mark)	1	Evidence may be found across the assignment task.
	(b)	Both layouts/thumbnails contain: • the logo • company name • at least one piece of the extended text • any of the images used from the data sheets AND Clarity of the layouts/thumbnails. (1 mark)	1	These should be clearly identified either by labelling the thumbnails or easily identified as part of the thumbnails.

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2.	(c)	Correct size/proportion of layout. (1 mark)	10	This should be measured to ensure accuracy. Ratio (long side/short side) between 1.77 and 1.83 inclusive.
		The layout contains: - the logo - company name - at least one piece of the extended text - any of the images used from the data sheets (1 mark)		
		Correct identification of flow text along a path. (1 mark)		
		Correct identification of three design elements and principles. (3 marks)		1 mark for each design element correctly identified from the list below: - alignment (min 2 elements identified) - contrast (min 2 elements identified) - depth - dominance - line - unity (min 2 elements identified) use of colour (warm, cool, contrast, harmony, advancing, receding, mood)
		- excellent quality visual impact - 4 marks - high quality visual impact - 3 marks - good quality visual impact - 2 marks - fair quality visual impact - 1 mark - poor quality visual impact - 0 marks		Where an image has been used that has not been made by the candidate, no marks can be awarded.

Task		Expected response	Max mark	Additional guidance
3.	(a)	For each component visible outlines correct. - stand (1 mark) - rest (1 mark) - base (1 mark) All hidden detail shown in the rest and base. (1 mark) Application of proportion across all sketches.(1 mark) Correct orientation of Elevation and application of construction/projection across all sketches. (1 mark)	6	Use of straight edge is permitted. Clear evidence of the use of drawing board with set squares in producing these sketches will result in no marks being awarded. Evidence of candidates measuring will result in no marks being awarded. Evidence of 3D CAD used for this task will result in no marks awarded. When considering visible outlines, there must be a clear difference between construction lines and outlines. Apply follow on rule if required. Do not consider hidden detail when marking proportion and projection. For projection, focus on the projection from the elevation to the plan and the elevation to the end elevation.

Task		Expected response	Max mark	Additional guidance
3.	(b)	<u>Sketching</u> • high quality sketching (3 marks) • good quality sketching (2 marks) • fair quality sketching (1 mark) <u>Rendering</u> • high quality rendering (3 marks) • good quality rendering (2 marks) • fair quality rendering (1 mark)	6	No marks for any areas traced from data sheets 3a - 3d. No marks awarded for poor quality sketching. Guidance for sketching. Do not use this as a checklist. Evidence can be taken from: • all visible parts correct • all parts pictorial • top curve(s) shown on the base • rest sketched at an angle • fair proportions Rendering must clearly show materials to be awarded full marks. • stand - plastic • rest - plastic • base - wood No marks awarded for poor quality rendering.

[END OF MARKING INSTRUCTIONS]