

# Commentary on candidate evidence

The candidate evidence has achieved the following marks for each question this course assessment component.

## Candidate 1

Question			Comment	Mark available	Mark awarded	Tol ±
1	a		The response 'clear instructions' is too vague and unclear to attract marks. Although the candidate makes reference to silhouettes, no explanation is given to 'modern' or 'simple'.	2	0	
	b	i	2 marks are awarded as the candidate has annotated the layout to reference the form of alignment.	2	2	-1
		ii	Marks cannot be awarded as the candidate has described colour.	2	0	+1
		iii	2 marks are awarded as the candidate references two different colour combinations.	2	2	
	c		The candidate's responses relate to environment and cost and therefore, attract no marks.	2	0	
2	a		The candidate has used the extrude method and marks are awarded for: <ul style="list-style-type: none"> <li>◆ Extrude 20mm</li> <li>◆ Repeat on both sides</li> <li>◆ Shell by 2.5mm and the candidate has drawn a sketch with the faces removed by the hidden detail given.</li> </ul>	6	3	-1
	b	i	The candidate correctly calculated the diameter of A.	1	1	
		ii	The candidate correctly calculated the length of B.	1	1	
	c		A mark was awarded for the excess material to be removed.	1	1	
3	a		A mark was awarded for the quick to produce ideas.	2	1	
	b		Marks were awarded for both identified devices, however the 'r' in scanner could be misconstrued as a 'd'.	2	2	-1

Question			Comment	Mark available	Mark awarded	Tol ±
	c		The candidate correctly stated 'isometric' and 'oblique'.	2	2	
	d	i	No marks were awarded as 'flush' is a software specific term and therefore, not accepted.	1	0	
		ii	A mark was awarded for 'mate'. Again, 'insert' is a software specific term and is therefore, not accepted.	2	1	
	e		The mark was not awarded as the candidate has not given a full explanation of an advantage of using a CAD library.	1	0	+1
	f		No marks were awarded as this is the incorrect section.	1	0	
	g		Marks were awarded as the candidate has described symbols being understood universally, and they have used contrasting colours.	2	2	
4	a	i	A mark was awarded for 'less confusing' inferring the instructions are simpler to follow.	1	1	
		ii	No mark was awarded as no advantage to the manufacturer was explained.	1	0	
	b		The candidate has identified that the graphics can be removed.	1	1	
	c		The candidate has identified the correct contrasting colour.	1	1	
	d		No mark was awarded as pink is a tint of a colour, and not a primary or secondary colour in the colour wheel.	1	0	
	e	i	Marks were awarded as two correct primary colours were identified.	2	2	

Question			Comment	Mark available	Mark awarded	Tol ±
		ii	The candidate did not infer that it is suitable for children and therefore, cannot achieve the mark.	1	0	
	f	i	The correct surface development was identified.	1	1	
		ii	The correct surface development was identified.	1	1	
5	a		Marks were awarded as '2D filler' was accepted.	3	1	
	b		Marks were awarded as 'material' was accepted.	1	1	
	c		No marks were awarded as 'more accurate' is not accepted without additional context.	2	0	
	d		A mark was awarded for 'changing the render settings to a higher quality'.	1	1	
	e		The candidate has not offset the axis correctly initially however, they correctly extrude subtract the inside area to create the correct form.	3	3	
6	a	i	Reverse text does not create dominance.	1	0	
		ii	A mark was awarded for reference to linking the planets.	1	1	
		iii	A mark was awarded for identifying that all the text is in reverse.	1	1	
	b	i	A mark was awarded as Sans Serif is correct.	1	1	
		ii	A mark was awarded as the candidate described that it is relevant to the context.	1	1	
	c		Both stated techniques are correct.	2	2	
	d		Both arrangements have been correctly chosen.	2	2	
	e		All four components are correctly labelled.	4	4	
<b>Total</b>				<b>65</b>	<b>43</b>	<b>40/45</b>

## Candidate 2

Question			Comment	Mark available	Mark awarded	Tol ±
1	a		All statements could be valid for marks as they have described the use of a minimal colour palette, modern font and use of simple basic rectangle shapes.	2	2	
	b	i	A mark was awarded for the heading and text being aligned as the candidate has annotated the layout to reference the form.	2	1	
		ii	The candidate has identified that there is layering of the two background rectangles. The first statement is incorrect, as the runners are in a single graphic, not as layered individual ones.	2	1	+1
		iii	The red colour used in contrast to the grey background, and reference to the contrasting colours in the title, both attract marks.	2	2	
	c		Reaches a wider audience. No marks are awarded for reference to cost.	2	1	
2	a		The candidate has used the extrude method. Marks are awarded for: <ul style="list-style-type: none"> <li>◆ Extrude 20mm</li> <li>◆ Dia 15mm circle and extrude by 12mm</li> <li>◆ Repeat both sides</li> <li>◆ Fillets at R10 on all four sides correctly identified in a sketch.</li> </ul> The initial profile is incorrect as the candidate has identified the 50mm instead of 60mm.	6	4	
	b	i	The candidate incorrectly calculated the diameter of 'A'.	1	0	
		ii	The candidate incorrectly calculated the length of 'B'.	1	0	
		iii	The candidate incorrectly calculated the length of 'B'.	1	0	
	c		Both statements valid and therefore, a mark is awarded.	1	1	

Question			Comment	Mark available	Mark awarded	Tol ±
3	a		Marks are awarded for reference to 'quickly produced' and being able to share with a client.	2	2	
	b		The candidate correctly stated two input devices.	2	2	
	c		The candidate correctly stated 'isometric' and 'oblique'.	2	2	
	d	i	The candidate has stated an incorrect constraint type.	1	0	
		ii	Marks were awarded as 'mate' and 'centre axis' are both correct.	2	2	
	e		A mark was awarded for stating 'it can be reused over and over again'.	1	1	
	f		The correct sectional end elevation was stated.	1	1	
	g		Marks were awarded for stating 'it uses contrasting colours and it is more accessible for people to understand universally'.	2	2	
4	a	i	The candidate has identified that it is easier to understand.	1	1	
		ii	The candidate has identified that it is faster to produce, but the statement about the cost is incorrect per the marking instructions.	1	1	
	b		The candidate has identified that removing the graphics would help to reduce ink.	1	1	
	c		The correct contrasting colour was stated.	1	1	
	d		Pink/magenta is not a primary or secondary colour in the colour wheel.	1	0	
	e	i	Two correct primary colours were stated.	2	2	
		ii	A mark was awarded for identifying that it is suitable for children.	1	1	
	f	i	The correct surface development was stated.	1	1	

Question			Comment	Mark available	Mark awarded	Tot ±
		ii	The correct surface development was stated.	1	1	
5	a		No marks are awarded as all terms are incorrect.	3	0	
	b		A mark is awarded for 'texture'.	1	1	
	c		A mark was awarded for identifying that changes/edits can be made if issues are identified through CAD modelling.	2	1	
	d		A mark is awarded for reference to a higher quality of render.	1	1	
	e		A mark was awarded for only the initial profile.	3	1	
6	a	i	A mark was awarded for reference to the title being the largest element.	1	1	
		ii	A mark was awarded for the use of a line to separate/divide the badge.	1	1	
		iii	The candidate has described contrast instead of unity therefore, no mark is awarded.	1	0	
	b	i	No mark is awarded as 'serif' is incorrect.	1	0	
		ii	A mark was awarded for identifying that it was a modern style of font.	1	1	
	c		No marks are awarded as both techniques are incorrect.	2	0	
	d		Full marks were awarded as both arrangements were correctly chosen.	2	2	
	e		Full marks were awarded as all four components were correctly labelled.	4	4	
<b>Total</b>				<b>65</b>	<b>46</b>	<b>46/47</b>

## Candidate 3

Question			Comment	Total mark	Mark awarded	Tol ±
1	a		Only 1 mark was awarded for minimal information used.	2	1	
	b	i	A mark was awarded for the 'menu text' indicating the text across the top of the layout, and the candidate has indicated the direction as horizontal.	2	1	-1
		ii	Marks were awarded for identifying two variations of layering in the layout.	2	2	
		iii	Marks were awarded for two variations of colour contrasting. The second statement is referring to the feet of the running graphic being on the white background.	2	2	
	c		A mark was awarded for the second statement as the candidate has referenced sharing to a wider audience.	2	1	
2	a		Candidate has used the <b>revolve</b> method. Marks were awarded for: <ul style="list-style-type: none"> <li>◆ Revolve 180</li> <li>◆ Dia 15mm circle and extrude by 12mm</li> <li>◆ Repeat on both sides</li> </ul>	6	3	
	b	i	The candidate correctly calculated the diameter of 'A'.	1	1	
		ii	The candidate correctly calculated the length of 'B'.	1	1	
	c		A mark was awarded for the use of recyclable material.	1	1	
3	a		A mark was awarded for 'being able to show the client'.	2	1	
	b		No marks are awarded as both responses are incorrect.	2	0	
	c		The candidate correctly stated 'isometric' and 'oblique'.	2	2	



Question			Comment	Total mark	Mark awarded	Tol ±
	d	i	No mark is awarded as 'mate' is incorrect.	1	0	
		ii	The follow on rule applies for 'align', and 'centre axis' is correct.	2	2	
	e		The candidate has indicated that the components would be produced, rather than reusing a CAD component.	1	0	+1
	f		No mark is awarded for the incorrect section.	1	0	
	g		The candidate has identified that using symbols make it 'easier to see at a glance', and that 'it is more colourful so therefore more noticeable'.	2	2	
4	a	i	The candidate has identified that this could make it 'less cluttered and simpler to follow'.	1	1	
		ii	The candidate has identified that it would speed up production. They have described the manual as a product.	1	1	-1
	b		A mark was awarded for reducing the size of the page.	1	1	
	c		A mark was awarded for use of the correct contrasting colour.	1	1	
	d		No mark was awarded for use of an incorrect harmonising colour.	1	0	
	e	i	Only one mark was awarded as orange is a secondary colour.	2	1	
		ii	A mark was awarded for indicating that it is suitable for students.	1	1	
	f	i	A mark was awarded for identification of the correct surface development.	1	1	
		ii	A mark was awarded for identification of the correct surface development.	1	1	
5	a		Full marks were awarded as all tools are correctly stated.	3	3	
	b		A mark was awarded as 'texture' is accepted.	1	1	

Question			Comment	Total mark	Mark awarded	Tol ±
	c		No marks were awarded as neither statements are about advantages to manufacturing.	2	0	
	d		A mark was awarded as 'use of better lighting' is accepted.	1	1	
	e		No marks were awarded as it would appear that the candidate has not visualised the component as cylindrical, and instead described extrusion.	3	0	
6	a	i	No marks were awarded for 'alignment does not create dominance'.	1	0	
		ii	A mark was awarded for indicating linking the planets.	1	1	
		iii	A mark was awarded for repeated use of white.	1	1	
	b	i	No mark was awarded as 'serif' is incorrect.	1	0	
		ii	A mark was awarded for indicating that it is 'simpler to read'.	1	1	
	c		No marks were awarded as both techniques were incorrectly stated.	2	0	
	d		Only 1 mark was awarded for one arrangement being correctly chosen.	2	1	
	e		Full marks were awarded as all four components were correctly labelled.	4	4	
<b>Total</b>				<b>65</b>	<b>41</b>	<b>39/42</b>

## Candidate 4

Question			Comment	Total mark	Mark awarded	Tol ±
1	a		The candidate appears to have misinterpreted the question and instead described design principles therefore, no marks were awarded.	2	0	
	b	i	No marks were awarded as different elements were not identified in either statement.	2	0	
		ii	The candidate has described the black silhouette being above the others, indicating layering with the other running graphic. The second statement is awarded a mark for identifying another area of layering.	2	2	-1
		iii	Marks were awarded for identifying two different colour contrasts.	2	2	
	c		A mark was awarded for indicating that immediate updates can be made.	2	1	
2	a		<p>The candidate has used the revolve method and marks were awarded for:</p> <ul style="list-style-type: none"> <li>◆ Revolve 180</li> <li>◆ Dia 20mm and extrude by 45mm on both sides</li> <li>◆ Dia 15 circle and extrude by 12mm</li> <li>◆ Repeat on both sides</li> </ul> <p>The offset axis as not be clearly annotated on the sketch therefore, we cannot assume which of the arcs are the dia 120mm, as described.</p>	6	4	+1
	b	i	The candidate correctly calculated the diameter of 'A'.	1	1	
		ii	The candidate correctly calculated the length of 'B'.	1	1	
	c		The candidate has incorrectly identified using a renewable substance.	1	0	

Question			Comment	Total mark	Mark awarded	Tol ±
3	a		A mark was awarded for indicating different (exploring) ideas.	2	1	
	b		No mark was awarded for 'phone' as, on its own, it cannot be accepted with reference to camera app. However, 'laptop camera', although unusual, is acceptable and therefore was awarded a mark.	2	1	
	c		No marks were awarded as both pictorials were incorrectly stated.	2	0	
	d	i	No mark was awarded for 'flush' as this is a software specific term and therefore, not accepted.	1	0	
		ii	A mark was awarded for 'mate'. Again, 'join' is a software specific term and is not accepted and therefore, is not awarded a mark.	2	1	
	e		No mark was awarded as the candidate provided an incorrect response. They refer to 'quickly' however, it is unclear if they are talking about speed of production.	1	0	
	f		No mark was awarded as the incorrect section was chosen.	1	0	
	g		Full marks were awarded for contrasting colours being used to improve visibility, and using large icons aided this too.	2	2	
4	a	i	The candidate used arrows to indicate that answers needed to be switched. 'Simple to follow' was accepted.	1	1	
		ii	No mark was awarded due to the candidate providing a generic statement regarding 'easier to follow'. It was not specific to a manufacturer.	1	0	
	b		A mark was awarded for indicating 'to use outlines'.	1	1	
	c		A mark was awarded for use of the correct contrasting colour.	1	1	

Question			Comment	Total mark	Mark awarded	Tol ±
	d		No mark was awarded as navy blue is a shade of blue, and not found on the colour wheel.	1	0	
	e	i	Full marks were awarded for the use of two correct primary colours.	2	2	
		ii	A mark was awarded for indicating that it is suitable for children.	1	1	
	f	i	A mark was awarded for identification of the correct surface development.	1	1	
		ii	A mark was awarded for identification of the correct surface development.	1	1	
5	a		2 marks were awarded for 'circle' and 'fillet'.	3	2	
	b		A mark was awarded as the candidate correctly states that material was added.	1	1	
	c		No marks are awarded as statement 1 is too vague.	2	0	
	d		No mark was awarded as 'change zoom' is not a method used to improve render quality.	1	0	
	e		A mark was awarded for the initial profile.	3	1	
6	a	i	No mark was awarded for reference to size as the candidate instead discusses colour.	1	0	
		ii	A mark was awarded as the candidate described the line being used as a boundary.	1	1	
		iii	A mark was awarded as the candidate has referenced that the same three colours have been used throughout all the badges.	1	1	
	b	i	'Sans Serif' was correctly stated and therefore, awarded a mark.	1	1	

Question			Comment	Total mark	Mark awarded	Tot ±
		ii	No mark was awarded as 'bold' on its own is not accepted.	1	0	
	c		No marks were awarded as both techniques are incorrectly stated.	2	0	
	d		Full marks were awarded as both arrangements were correctly chosen.	2	2	
	e		Full marks were awarded as all four components were correctly labelled.	4	4	
<b>Total</b>				<b>65</b>	<b>37</b>	<b>36/38</b>

## Candidate 5

Question			Comment	Total mark	Mark awarded	Tol ±
1	a		A mark was awarded for the use of simple silhouettes.	2	1	
	b	i	The candidate refers to paragraphs being aligned to the left of the page rather than left aligned to another element such as the title, and 'The home option is aligned alongside the orange box' makes no reference to the type of alignment used (ie left aligned).	2	0	
		ii	The first statement is describing dominance.	2	1	
		iii	The candidate has not referred to two separate colours in the first statement however, they have identified two in the second statement.	2	1	+1
	c		Marks were awarded for 'reaching a wider audience' and 'easier to edit' as these are both valid.	2	2	
2	a		The candidate has used the 'sweep along a path' method. Marks have been awarded for: <ul style="list-style-type: none"> <li>◆ Correct profile</li> <li>◆ Extrude along a path</li> <li>◆ Dia 15mm and extrude by 12mm</li> </ul> The candidate did not attract the mark for the repetition on the other side as they were referring to a singular face.	6	3	+1
	b	i	The candidate correctly calculated the diameter of 'A'.	1	1	
		ii	The candidate correctly calculated the length of 'B'.	1	1	
	c		The candidate refers to removing the tabs, which is incorrect therefore, no mark is awarded.	1	0	

Question			Comment	Total mark	Mark awarded	Tol ±
3	a		Only one mark was awarded as the candidate provided only one valid statement.	2	1	
	b		Taking a photo does not attract a mark as no reference to the device is made.	2	1	
	c		A mark was awarded as the isometric view is correct.	2	1	
	d	i	No mark was awarded because 'Flush' is software specific.	1	0	
		ii	Again, no marks were awarded because 'Join' is software specific.	2	0	
	e		A mark was awarded as the candidate identified that parts do not need to be redrawn.	1	1	
	f		A mark is awarded for the correct section being identified.	1	1	
	g		No marks were awarded because the candidate did not specify what makes it easier to read when in a rush.	2	0	
4	a	i	A mark was awarded for identifying that it was easier to understand.	1	1	
		ii	A mark was awarded for 'speeds up production' here because the candidate refers to saving time.	1	1	
	b		Reducing the black to a lighter colour is valid therefore, a mark was awarded.	1	1	
	c		A mark was awarded as the candidate identified the correct contrasting colour.	1	1	
	d		A mark was awarded as the candidate identified the correct harmonising colour.	1	1	
	e	i	Marks were awarded as the candidate identified two correct primary colours.	2	2	
		ii	The candidate did not refer to it being suitable for children and therefore, cannot achieve the mark.	1	0	
	f	i	A mark was awarded for the correct surface development.	1	1	



Question			Comment	Total mark	Mark awarded	Tol ±
		ii	A mark was awarded for the correct surface development.	1	1	
5	a		Full marks were awarded as all three tools are correct.	3	3	
	b		A mark was awarded as the candidate correctly states that texture was added.	1	1	
	c		Both statements are vague and do not answer the question therefore, no marks were awarded.	2	0	
	d		Although the candidate's handwriting is difficult to read, they are likely referring to DPI in their answer. The mark cannot be awarded due to the inaccuracy of their statement.	1	0	
	e		Profile and offset axis is clearly shown on the third sketch, accompanied by a statement. Although the candidate does not mention 360 degrees, the final sketch clearly shows the finished product being revolved fully and therefore, full marks were achieved.	3	3	
6	a	i	The candidate incorrectly refers to reverse therefore, no mark was awarded.	1	0	
		ii	The candidate incorrectly refers to flow text along a path therefore, no mark was awarded.	1	0	
		iii	A mark was awarded as there are multiple pieces of white lettering on each badge.	1	1	
	b	i	No mark was awarded as 'serif' is incorrect.	1	0	
		ii	A mark was awarded for 'easy to read'.	1	1	
	c		No marks were awarded as both techniques were incorrectly stated.	2	0	
	d		No marks were awarded as both arrangements were incorrectly chosen.	2	0	
	e		Full marks were awarded as all four components were correctly labelled.	4	4	
<b>Total</b>				<b>65</b>	<b>37</b>	<b>37/39</b>

## Candidate 6

Question			Comment	Total mark	Mark awarded	Tol ±
1	a		A mark was awarded for the use of san serif font however, the candidate did not specify the low number of colours used in the layout.	2	1	
	b	i	A mark was awarded for the first statement as the text box and title are left aligned.	2	1	
		ii	A mark was awarded for 'layering' in the second statement.	2	1	
		iii	Full marks were awarded for reference to contrasting sized elements, and black on white.	2	2	
	c		Full marks were awarded for 'reaches a wider audience' and 'ease of editing'.	2	2	
2	a		The candidate has used the extrude method. Marks were <b>not</b> awarded for: <ul style="list-style-type: none"> <li>◆ The initial profile</li> <li>◆ Shell of 2.5mm and remove the faces</li> </ul>	6	4	
	b	i	The candidate correctly calculated the diameter of 'A'.	1	1	
		ii	The candidate correctly calculated the length of 'B'.	1	1	
	c		A mark was awarded as reference to biodegradable materials is accepted.	1	1	
3	a		The candidate has given a description similar to aiding the development of ideas.	2	1	
	b		Full marks were awarded as 'camera' and 'scanner' are both valid.	2	2	
	c		A mark was awarded for 'isometric'.	2	1	
	d	i	The candidate correctly stated 'align' and was therefore awarded the mark.	1	1	

Question			Comment	Total mark	Mark awarded	Tol ±
		ii	Full marks were awarded as the candidate correctly stated two other 3D CAD constraints, other than answer in d (i).	2	2	
	e		A mark was awarded for reference to a time saving advantage being not having to make all components.	1	1	
	f		No mark was awarded for the incorrect section.	1	0	
	g		The first statement is not specifically stating what makes it easier to understand and therefore, does not attract a mark.	2	1	
4	a	i	A mark was awarded for the universal understanding from marking instructions.	1	1	
		ii	A mark was awarded as there is no need for different versions in alternative languages from marking instructions.	1	1	
	b		A mark was awarded for making arrows outlines.	1	1	
	c		A mark was awarded for identification of the correct contrasting colour.	1	1	
	d		A mark was awarded for identifying the correct harmonising colour.	1	1	
	e	i	Full marks were awarded for use of two correct primary colours.	2	2	
		ii	The candidate did not refer to it being suitable for children therefore, cannot achieve the mark.	1	0	
	f	i	A mark was awarded for the correct surface development.	1	1	
		ii	A mark was awarded for the correct surface development.	1	1	
5	a		Full marks were awarded for three correct tools.	3	3	

Question			Comment	Total mark	Mark awarded	Tol ±
	b		No mark was awarded. 'Shade' cannot be accepted as it refers to lighting conditions.	1	0	
	c		A mark was awarded for 'easy to edit'.	2	1	
	d		Although the candidate does not refer to specific file types, their response is valid as different file type outputs can affect the quality of a rendered image.	1	1	
	e		The candidate did not show the offset centre axis therefore, full marks could not be achieved.	3	2	
6	a	i	No mark was awarded as the candidate described an incorrect principle.	1	0	
		ii	No mark was awarded as the candidate did not answer this question.	1	0	
		iii	A mark was awarded as the candidate identified that the same font has been used in badge 1.	1	1	
	b	i	A mark was awarded as 'Sans Serif' was correctly stated.	1	1	
		ii	A mark was awarded as the candidate refers to the font as 'modern'.	1	1	
	c		A mark is awarded as 'text along a path' is accepted.	2	1	
	d		Full marks were awarded as both arrangements were correctly chosen.	2	2	
	e		Full marks were awarded as all four components were correctly labelled.	4	4	
<b>Total</b>				<b>65</b>	<b>49</b>	<b>49</b>

## Candidate 7

Question			Comment	Total mark	Mark awarded	Tol ±
1	a		The candidate has correctly referred to 'minimal amount of information conveyed' and 'use of limited colour palette' in their answer.	2	2	
	b	i	A mark was awarded for the second statement only. The first statement does not refer to relationship between different elements.	2	1	
		ii	Full marks were awarded for identifying layering and transparency being used.	2	2	
		iii	Full marks were awarded as the candidate identified two different colour combinations that are both contrasting.	2	2	
	c		A mark was awarded as the candidate has identified that it can be accessed easily.	2	1	
2	a		The candidate has used the extrude method. Marks were awarded for: <ul style="list-style-type: none"> <li>◆ Extrude by 20mm</li> <li>◆ Dia 15 (+10mm) and extrude by 12mm</li> <li>◆ Repeat on both sides</li> </ul>	6	3	
	b	i	No mark awarded as the candidate incorrectly calculated the diameter of 'A'.	1	0	
		ii	No mark was awarded as the candidate incorrectly calculated the length of 'B'.	1	0	
	c		Typical response to this type of question	1	1	
3	a		A mark was awarded for each statement; 'exploring ideas' and 'quick to produce' from the marking instructions.	2	2	
	b		Full marks were awarded for the two valid input devices stated.	2	2	

Question			Comment	Total mark	Mark awarded	Tol ±
	c		Full marks were awarded as the candidate correctly stated 'isometric' and 'oblique'.	2	2	
	d	i	No marks awarded for incorrect 3D CAD constraint.	1	0	
		ii	Marks awarded as the follow on rule applies here for 'align'.	2	2	
	e		A mark was awarded as the same component can be used repeatedly per the marking instructions.	1	1	
	f		No mark was awarded for the incorrect sectional end elevation.	1	0	
	g		A mark was awarded for 'identifying symbols help to understand universally'.	2	1	
4	a	i	A mark was awarded as it is describing it being simpler to follow.	1	1	
		ii	A mark was awarded for 'reduction in time to produce the instructions'.	1	1	
	b		A mark was awarded for 'reducing amount of bold text'.	1	1	
	c		No mark was awarded for incorrect contrasting colour.	1	0	
	d		Navy blue is a shade of blue and not found on the colour wheel therefore, no mark was awarded.	1	0	
	e	i	Although there have been two correctly identified primary colours, as a secondary colour has also been given, the maximum amount of marks awarded could only be 1.	2	1	
		ii	The candidate did not refer to its suitability for children and therefore, cannot achieve the mark.	1	0	
	f	i	A mark was awarded for the correct surface development.	1	1	
		ii	A mark was awarded for the correct surface development.	1	1	

Question			Comment	Total mark	Mark awarded	Tol ±
5	a		Full marks were awarded as all three tools were correctly stated.	3	3	
	b		No mark was awarded as this is an incorrect response.	1	0	
	c		No marks were awarded as both statements are too generic, and don't describe the benefits in manufacturing.	2	0	
	d		As mentioned in the additional guidance of the marking instructions.	1	0	
	e		The candidate struggled to visualise the sealing ring as a cylindrical component, and went on to describe an extruded model. Therefore, no marks can be awarded.	3	0	
6	a	i	The candidate incorrectly refers to reverse text creating dominance therefore, no marks were awarded.	1	0	
		ii	No marks were awarded as no specific description has been provided as to how the line has been used.	1	0	
		iii	The candidate does refer to minimal use of font however, does not mention the repeated use of font to create unity. Therefore, no marks are awarded.	1	0	
	b	i	A mark is awarded as 'sans serif' is correct.	1	1	
		ii	A mark is awarded for 'easy to read' per the marking instructions.	1	1	
	c		A mark is awarded for 'text along a path'.	2	1	
	d		No marks were awarded as no correct arrangements were chosen.	2	0	
	e		No marks were awarded as the retaining collar is incorrectly identified.	4	3	
<b>Total</b>				<b>65</b>	<b>37</b>	<b>37</b>

## Candidate 8

Question			Comment	Total mark	Mark awarded	Tol ±
1	a		The use of sans serif makes no reference to modern text. Transparency is not modern. 'Simplistic colours' is incorrect as this does not fall under limited colour palette. Therefore, no marks were awarded.	2	0	
	b	i	No marks were awarded as no description of the type of alignment was provided.	2	0	
		ii	No marks were awarded as no reference was made to separate items.	2	0	
		iii	A mark was awarded for reference made to two contrasting colours on the layout.	2	1	
	c		Full marks were awarded as both responses were valid.	2	2	
2	a		The candidate has used the revolve method. Marking was applied as follows: <ul style="list-style-type: none"> <li>◆ Correct profile (dia20 circle) with centre axis with offset - 0 marks</li> <li>◆ Revolve 180 degrees - 0 marks</li> <li>◆ Dia 20mm circle AND extrude 45mm on both ends - 0 marks – copy and paste is not a correct CAD term. You cannot copy and paste a part of a 3D CAD model, even though a sketch is shown.</li> <li>◆ Sketch of dia15 circle and extrude by 12mm - 1 mark</li> <li>◆ Repeat on other side - 0 marks – copy and paste is not a correct CAD term.</li> <li>◆ Shell by 2.5mm and remove both faces - 0 mark – candidate has shelled by 5mm and not opened faces.</li> </ul>	6	1	
	b	i	A mark was awarded as the candidate correctly calculated the diameter of 'A'.	1	1	
		ii	No mark was awarded as the candidate incorrectly calculated the length of 'B'.	1	0	



Question			Comment	Total mark	Mark awarded	Tol ±
	c		Fairly typical accepted response for this type of question.	1	1	
3	a		The candidate refers to showing the ideas of the sketch but makes no reference to showing the client. Showing the modifications describes the development of ideas therefore, only 1 mark is awarded.	2	1	
	b		Full marks are awarded as the candidate correctly stated two input devices.	2	2	
	c		Full marks were awarded as the candidate correctly stated 'isometric' and 'oblique'.	2	2	
	d	i	No mark was awarded as the candidate did not answer this question.	1	0	
		ii	Full marks were awarded as the candidate correctly stated two 3D CAD constraints.	2	2	
	e		No mark was awarded as the candidate did not answer this question.	1	0	
	f		No mark was awarded for incorrect sectional end elevation.	1	0	
	g		Full marks were awarded for 'easier to read' and 'better contrast' per the marking instructions.	2	2	
4	a	i	A mark was awarded for 'easier to understand' (simpler to follow).	1	1	
		ii	The candidate's description is vague however, their description refers to time. Therefore, a mark was awarded.	1	1	
	b		A mark was awarded for 'remove background images' per the marking instructions.	1	1	
	c		A mark was awarded for correct contrasting colour.	1	1	

Question			Comment	Total mark	Mark awarded	Tol ±
	d		No mark is awarded for an incorrect harmonising colour.	1	0	
	e	i	Two correct primary colours were identified therefore, full marks were awarded.	2	2	
		ii	The candidate did not refer to its suitability for children and therefore, cannot achieve the mark.	1	0	
	f	i	A mark was awarded for the correct surface development.	1	1	
		ii	A mark was awarded for the correct surface development.	1	1	
5	a		The candidate does not refer to the trim therefore, not all marks could be achieved.	3	2	
	b		No marks were awarded as this is an incorrect response.	1	0	
	c		A mark was awarded for 'modified easily'. A second mark cannot be awarded for 'sharing' as this is not a benefit of manufacturing	2	1	
	d		No mark was awarded as this is an incorrect response.	1	0	
	e		No marks were awarded as the profile incorrect; there is no obvious slope.	3	0	
6	a	i	No reference was made to size therefore, no mark was awarded.	1	0	
		ii	No mark was awarded as the candidate refers to shape.	1	0	
		iii	No reference was made to the repeated use of elements therefore, the mark could not be achieved.	1	0	
	b	i	A mark was awarded for 'sans serif'.	1	1	

Question			Comment	Total mark	Mark awarded	Tol ±
		ii	A mark was awarded for 'easy to read' per the marking instructions.	1	1	
	c		A mark was awarded for 'text along a path'.	2	1	
	d		No arrangements were correctly chosen therefore, no marks were awarded.	2	0	
	e		Full marks were awarded as all four components were correctly labelled.	4	4	
<b>Total</b>				<b>65</b>	<b>33</b>	