<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
<th>Marks</th>
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<tbody>
<tr>
<td>A1(a)</td>
<td>Appropriate colour used (brown – yellow) [1] Some grain added [1] Grain added correctly to side, top and end (including annual rings) [1]</td>
<td>3</td>
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<tr>
<td>A1(b)</td>
<td>Arc correctly used to show the arm swinging [1] At least three positions for the arm drawn [1] Three positions plotted for L [1] or more than three positions [2] Load is finally positioned on the ground [1] Points joined together to form a smooth curve for L [1]</td>
<td>6</td>
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<tr>
<td>A1(d)(i)</td>
<td>First or Third [1]</td>
<td>1</td>
</tr>
<tr>
<td>A1(d)(ii)</td>
<td>Award one mark for each example, to a maximum of 2 marks. Examples include: Dimensions or measurements The shapes of the pieces The positions of holes [1 × 2]</td>
<td>2</td>
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<tr>
<td>B2(b)(i)</td>
<td>Lithography or digital printing [1]</td>
<td>1</td>
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| B2(b)(ii) | Concentrate on how [1] and success criteria [1]. For example: *Ask people what they think of it [1] and if they say nice things it is a successful design [1]*  
*Look at sales [1] and if they have gone up the design is a success [1]* | 2 |
| B2(c) | **Stage 1**  
Strip of acrylic shown [1]  
All folds shown with a dashed line [1]  
Cuts for base shown with a solid line [1]  

**Stage 2**  
Strip of acrylic shown [1]  
90 degree fold shown to form three bases [1]  
Cuts for the base clearly visible [1] | 6 |
| B2(d) | 3D sketch of base [1]  
Square base [1]  
Two holes shown in base [1]  
3D sketch of triangle [1]  
Triangle in appropriate position above base [1]  
3D sketch of the two pegs [1]  
All parts line up correctly (in line along one axis) [1] | 7 |
| B3(a) | Six connected surfaces shown [1]  
Six surfaces make a box with a sloping top [1]  
Five additional surfaces correct to overlay [5]  
(mark each surface individually with a ✓ to avoid early errors resulting in double penalty)  
Three further glue tabs shown [1 × 2]  
Glue tabs in the correct positions [1]  
Three fold in flaps [1] drawn in appropriate positions [1]  
Best fold in flap an appropriate shape and size [1]  
Some fold lines drawn to a recognised convention/labelled [1] or all fold lines drawn to a recognised convention/labelled [2] | 15 |
| B3(b) | Rule or straight edge [1]  
Cutting mat [1]  
Safety rule [1]  
One method of adding colour from: [1]  
Crayons  
Paint  
Coloured paper  
Ink, etc. | 4 |
| B3(c) | Design will stand on a flat surface [1]  
Design will hold the package of sweets [1]  
Surface graphics show a range of sweets is available [1]  
Notes or labels evident [1]  
Quality of sketch satisfactory [1] or good [2] | 6 |
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| B4(a)    | Inner border added to the Eagle sheet [1]  
Border of the correct size [1]  
The word Eagles added [1]  
The word Eagles added in an appropriate style of lettering [1]  
Outside edge of paper added to the Shark sheet [1]  
Outside edge the correct size [1]  
Shark added [1]  
Shark of an appropriate style (matches given designs) [1] | 8     |
| B4(b)    | Original produced (computer printout, drawn, cut and paste, etc.) [1]  
Method (photocopying, silk screen printing, print from computer, etc.) [1]  
Clear understanding that it is a single colour print [1] | 3     |
| B4(c)    | Sketches and notes show an understanding that:  
The shapes/name could be peeled off a backing sheet [1]  
The shapes/name could be stuck to a shirt [1]  
Advantages:  
No pins (safety) or damage to the shirt [1]  
No additional materials required (Velcro) [1] | 4     |
| B4(d)(i) | Circle divided into three sectors [1]  
Two sectors the correct size (120, 160 or 80 degrees) [1 × 2]  
Different colours used to identify each of the sectors [1]  
Sectors correctly labelled [1] | 5     |
| B4(d)(ii)| Clear understanding of the term sector [1]  
Isometric drawing [1]  
Sector drawn [1]  
Construction method clearly shown [1]  
Sector matches one part of candidate solution to B4 (d) (i) [1] | 5     |