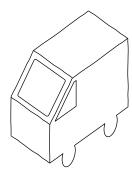
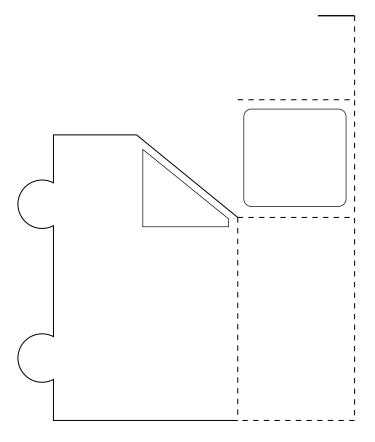
Section A **A2** The model of the body of the car has stickers attached to show the features. Answer all questions in this section. Complete the table below to show the stickers by: **A1** A sketch of a model of the body of a car is shown below. (a) adding the right half of the lights and front grille; [2] [2] (b) rendering the windscreen to look like glass; (c) adding the 0 to the car number. [2] In the space below complete: lights and front grille [8] (a) the plan and end view of the car; **(b)** the third angle projection symbol. [2] third angle projection symbol windscreen plan car number For Examiner's \bigcirc \circ end view side view orthographic views of the body of the car 0445/22 © UCLES 2014 Oct/Nov 2014 **1 hour**DC (KN/CGW) 99651 Centre Number Candidate's Number

A3 (a) The model lorry shown below is to be made from thin sheet card.



Complete the drawing of the one-piece development (net) required to make the model of the lorry. Include all tabs and clearly show fold lines. Do **not** include the underside of the lorry. [5]



(b) Complete the table below to show the tools and equipment required to cut out the development (net) of the model lorry from thin sheet card.

Tools required to cut out the development (net) from thin sheet card		
1. A safety rule	[1]	
2[1]		
3. A cutting mat		

(c) Name a specific method of joining the tabs when assembling the model lorry and give **one** reason for your choice of joining method.

Method	 	 	 [1]
Reason	 	 	
			[11

Section B Answer either question **B4** or **B5**. **B4** (a) Sketches of a child's party hat are shown on the right. R20-R20 On the centre lines below: draw the outline shape of the hat; [12] 40 construct the ellipse with major axis 100 and minor axis 60. [7] 350 hat on a child's head outline shape of the child's party hat (c) The child's party hat needs to be strengthened so that it will not tear when in use. **(b)** The child's party hat is to be made from thin sheet card. In the space below use sketches and notes to show a method of joining the two ends of In the space below use sketches and notes to show a method of strengthening the thin the hat together without the use of glue or any other materials. sheet card. 0445/22 Oct/Nov 2014 **1 hour**DC (KN/CGW) 99650 Centre Number Candidate's Number

B5 (a) Complete the table below to show the name and shape of four sweets.

	Name	Shape
1	cuboid	[2]
2	[1]	
3	triangular prism	[2]
4	hexagonal prism	[2]

(b) The 2013 sales figures for the four sweets are shown below.

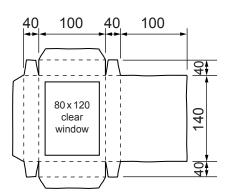
	Sweet 1	Sweet 2	Sweet 3	Sweet 4
Sales	35 000	60 000	45 000	70 000

In the space below draw a bar chart to show the 2013 sales figures for the four sweets.

Use colour/shading and labels to enhance the appearance of the bar chart. Show a scale. [5]

(c) The four sweets are sold in a box that contains 12 of each type of sweet. A sketch of the development (net) of the box is shown below.

From the start point **A** draw, to a scale of 1:2, an isometric view of the fully assembled box with the clear window uppermost. [10]



development (net) of the box



(d) Complete the table below to show the printing requirements for the development (net) for the box of sweets.

Number of boxes required	40 000
Colour or black and white	Full colour print
Printing method	[1]
Material	[1]
Material thickness	400g/m ²
Material for clear window	[1]