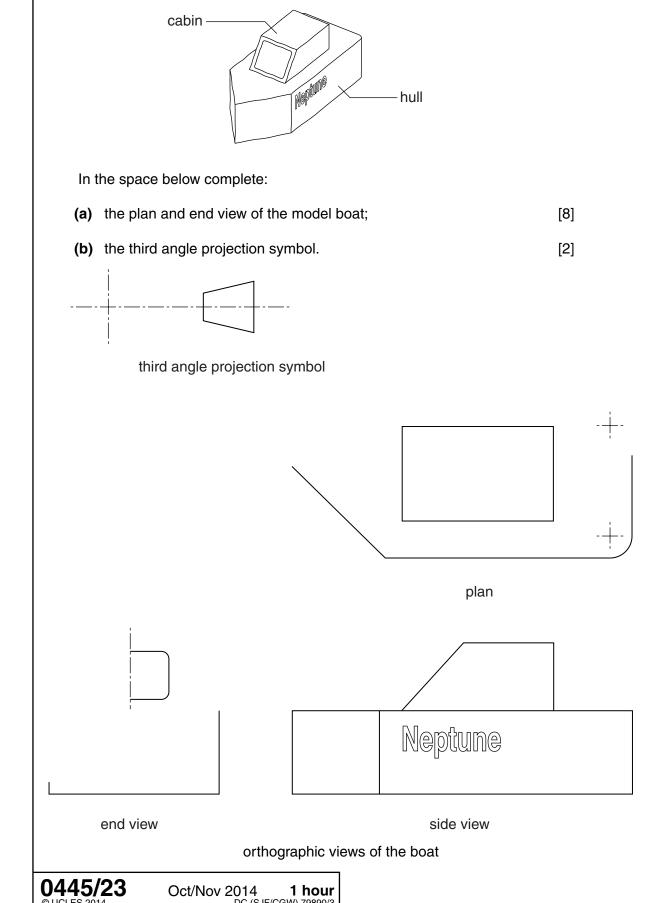
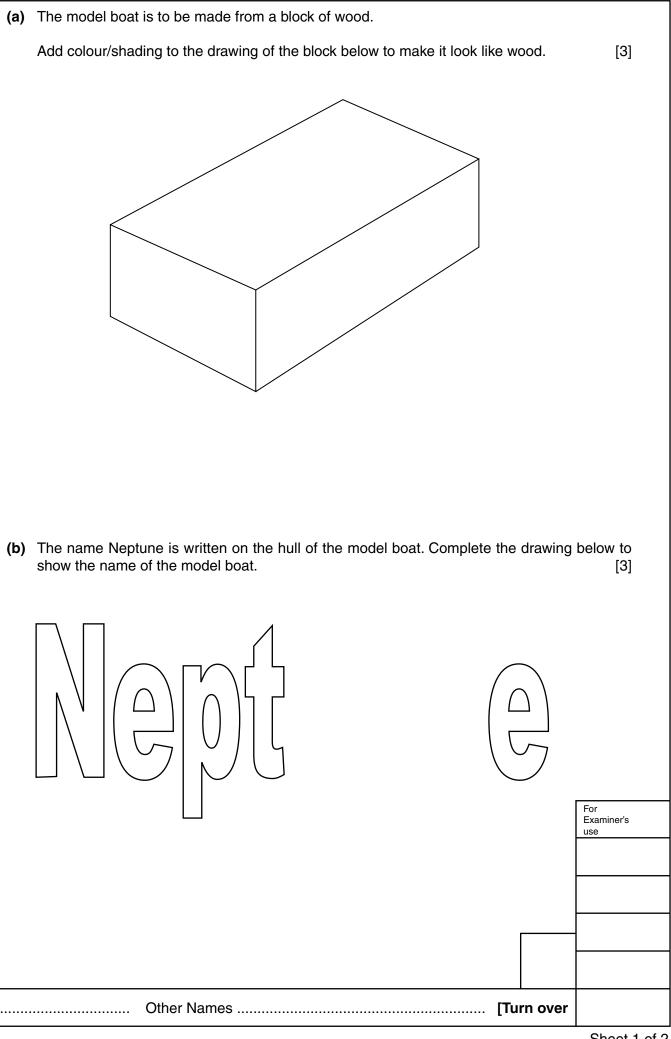
## Section A

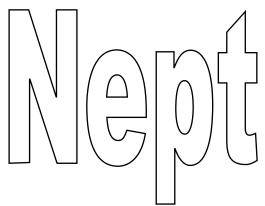
Answer **all** questions in this section.

A1 A sketch of a model boat is shown below.





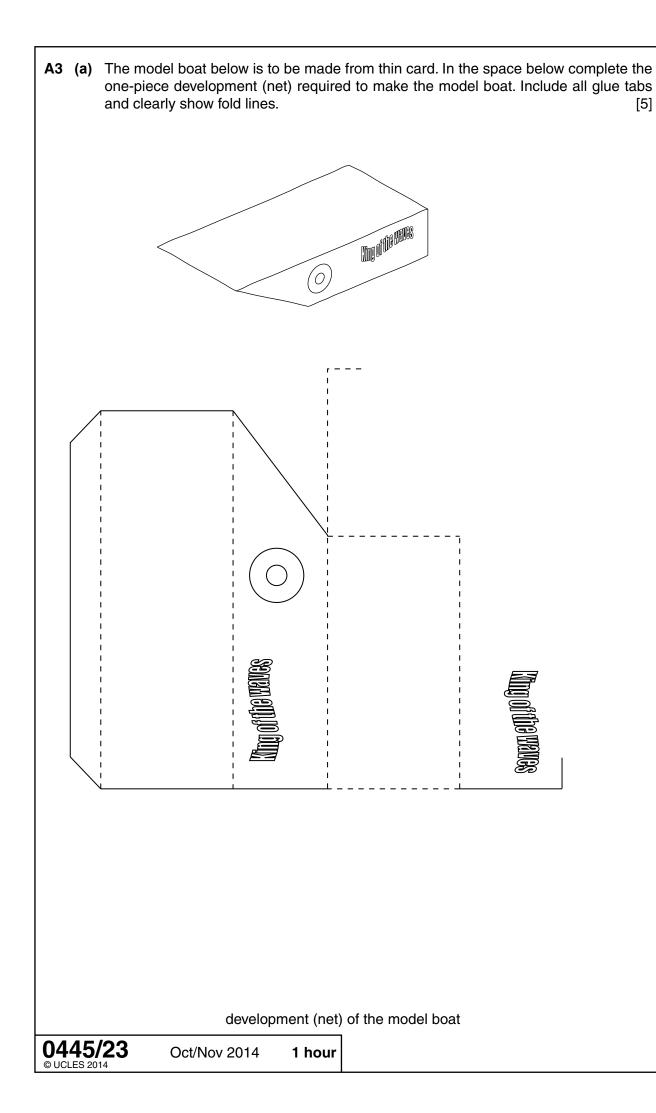
show the name of the model boat.



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Sheet 1 of 2

A2 (a) The model boat is to be made from a block of wood.



(b) Complete the table below to show the equipment required to draw the development (net) of the model boat on thin card.

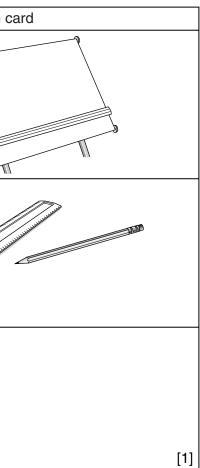
[5]

Equipment required to draw the deve	elopment (net) on thin
1	
2. Pencil and rule	
3. Set square	

(c) Name a method of printing 10 000 colour copies of the development (net) required to make the model boat and give **one** reason for your choice of printing method.

Method	[1]
Reason	
	[1]





## Section B

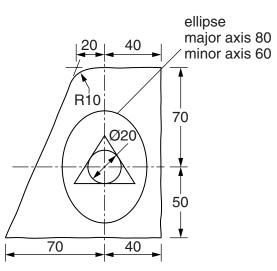
Answer either question B4 or B5.

**B4 (a)** A model of the tail of an aeroplane is to be used to promote an airline. A sketch of the model of the tail of the aeroplane and the airline logo are shown on the right.

On the centre lines on the right construct, full size:

- (i) the logo;
- (ii) the outline shape of the tail of the aeroplane.





(b)	The outline shape of the tail of the aeroplane is to be made from foam board and the logo design printed
	on paper.

Complete the table below to show:

<ul> <li>(i) the tools and equipment required for cutting out the foam board shape;</li> <li>[3]</li> </ul>	1.         2.         3.
<ul> <li>(ii) a method of attaching the paper logo design to the foam board.</li> </ul>	

(c) The foam board tail of the aeroplane is to sta

In the space below use sketches and notes to tail of the aeroplane that will allow it to stand

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and in an upright position on a flat surface.
to show a modification to the outline shape of the in an upright position on a flat surface. [3]
[Turn over

**B5** (a) Orthographic views of a juice carton with a round cap are shown below. (c) Orthographic views of the round cap for the juice carton are shown below. On the orthographic views: In the space below draw a scale 2:1 isometric view of the cap. (i) add the round cap to the plan; [3] (ii) project the true shape of surface **X** from the front view. Do **not** include the cap. [4] surface X plan cap Orange juice front view end view (b) The sales figures for four different types of juice are shown below. Lemon Orange Mango Apple Sales 15000 90000 45000 30000 On the centre lines below draw a pie chart to show the sales figures for the four different types of juice. Use colour/shading and labels to enhance the appearance of the pie chart. [5] (d) Complete the list below to show four specification points for the juice carton. 1. The carton must be able to contain a liquid. ..... 2.

- 3.
- ..... 4.

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