



The diagram shows a sector  $OAB$  of a circle with centre  $O$ . The length of the arc  $AB$  is 8 cm. It is given that the perimeter of the sector is 20 cm.

- (a) Find the perimeter of the shaded segment. [4]

This image shows a full page of a handwriting practice worksheet. It consists of multiple sets of three horizontal dashed lines spaced evenly down the page, providing a guide for letter height and placement. The background is plain white, and there are no other markings or text present.

(b) Find the area of the shaded segment.

[2]

This image shows a full page of white paper with horizontal dashed lines, typical of primary school writing paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.