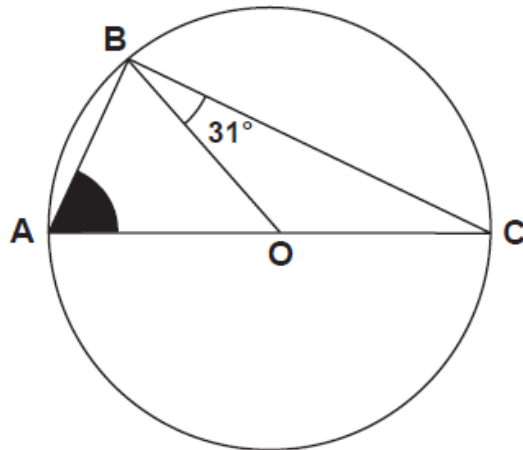


## 1 Non-calculator



The diagram above shows:

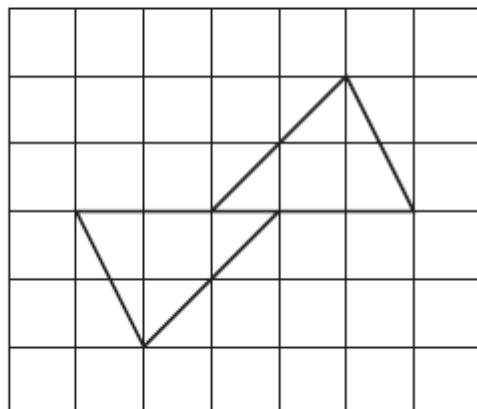
- $AC$  is a diameter of a circle with centre  $O$
- $B$  lies on the circumference
- angle  $OBC = 31^\circ$ .

Calculate the size of the shaded angle  $BAO$ .

3

## 2 Calculator

John has drawn this design.



Using a scale factor of  $\frac{3}{2}$ , draw an enlargement of John's design.

3