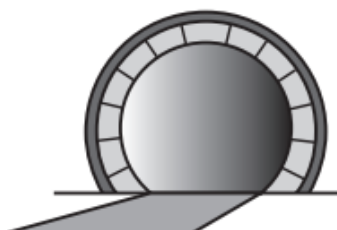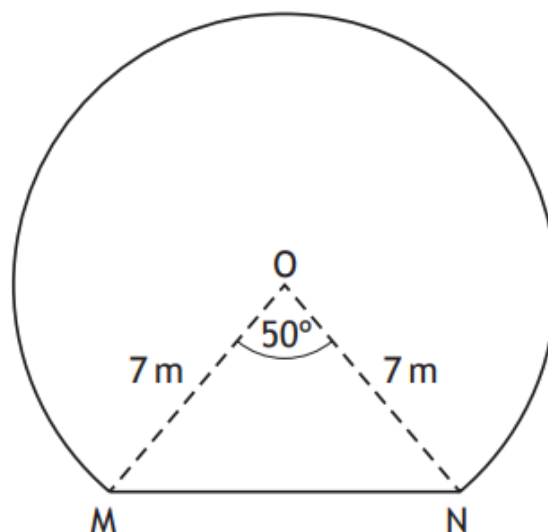---

The picture shows the entrance to a tunnel which is in the shape of part of a circle.

The diagram below represents the cross-section of the tunnel.

- The centre of the circle is O.

- MN is a chord of the circle.

- Angle MON is 50°.

- The radius of the circle is 7 metres.

Calculate the area of the cross-section of the tunnel.   **5**

Answer:

151.3 m^2