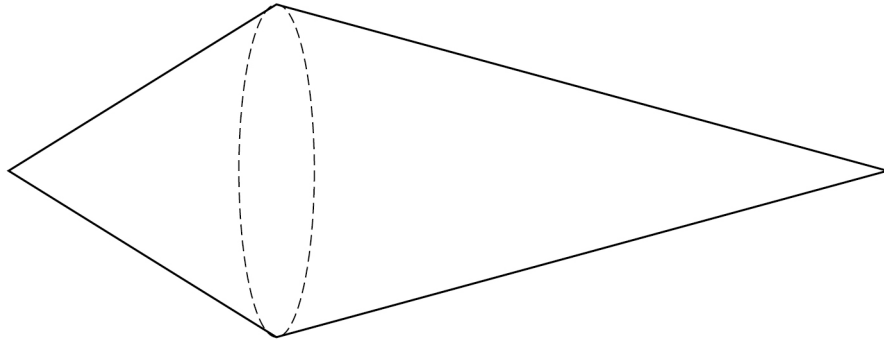


21

A solid shape is made by joining two cones.
Each cone has the same radius.



One cone has slant height = $2 \times$ radius

The other cone has slant height = $3 \times$ radius

The total surface area of the shape is $57.8\pi \text{ cm}^2$

Curved surface area of a cone = $\pi r l$ where r is the radius and l is the slant height

Work out the radius.

[3 marks]

Answer _____ cm

7

Turn over ►

