Mathematics

Surface Area of Cylinders Downloadable Resource
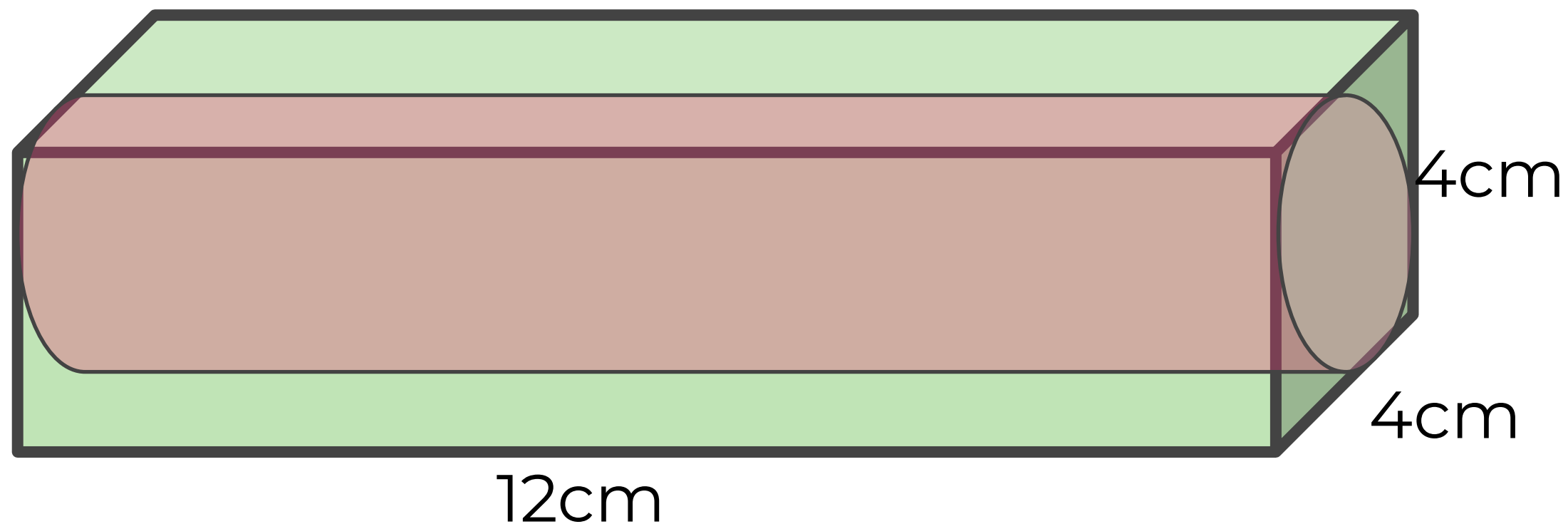
Mrs Buckmire
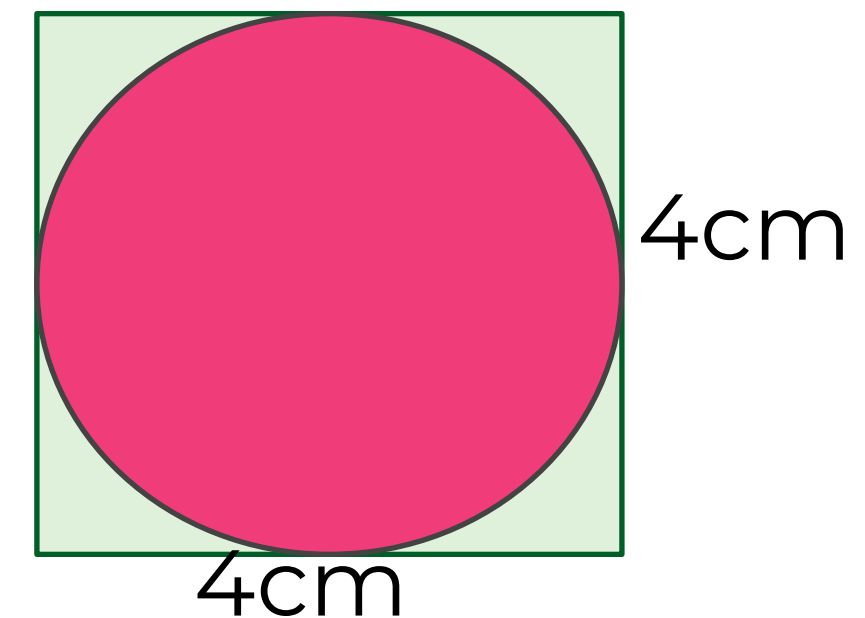
Try This

What can you say about this cylinder that fits exactly inside this cuboid?

Cross-section
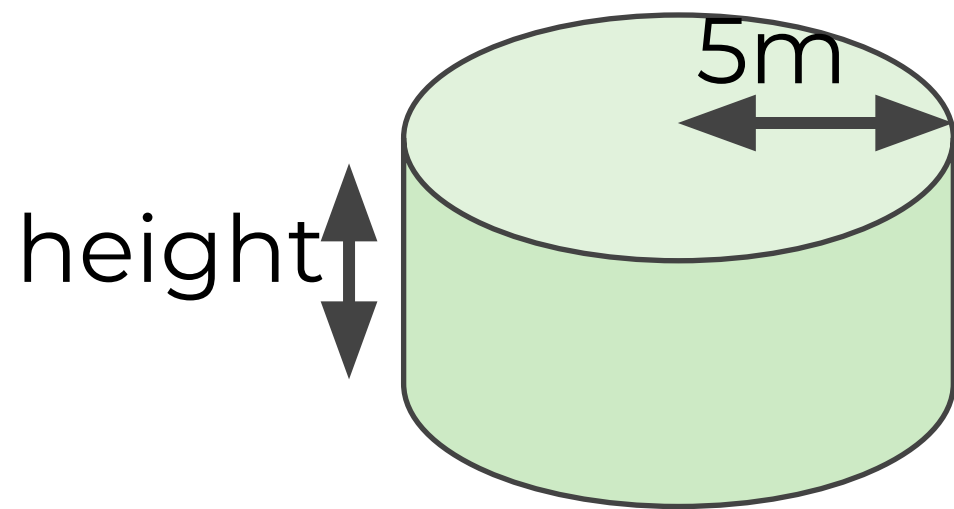
4cm

4cm

4cm

4cm

4cm

12cm

Independent task

1. a) Draw an accurately labelled net of a cylinder of radius 6cm and length 10cm.

b) In terms of pi, find the surface area of the cylinder.

2. Find the height of this cylinder which has a surface area of 200π m^2.
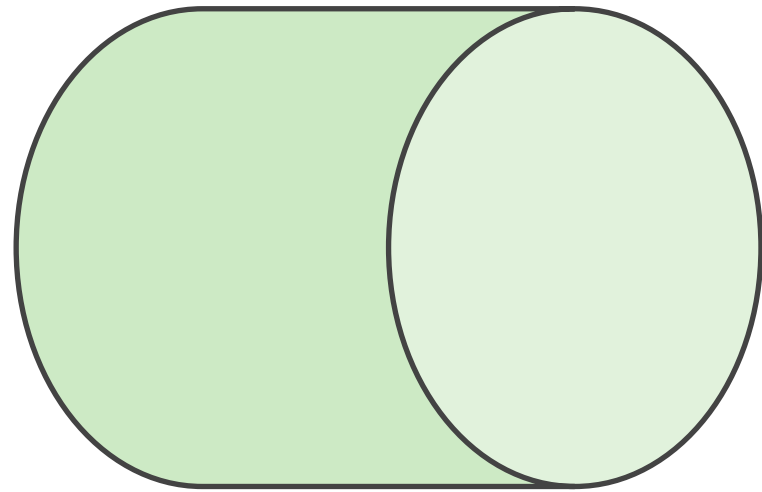
5m
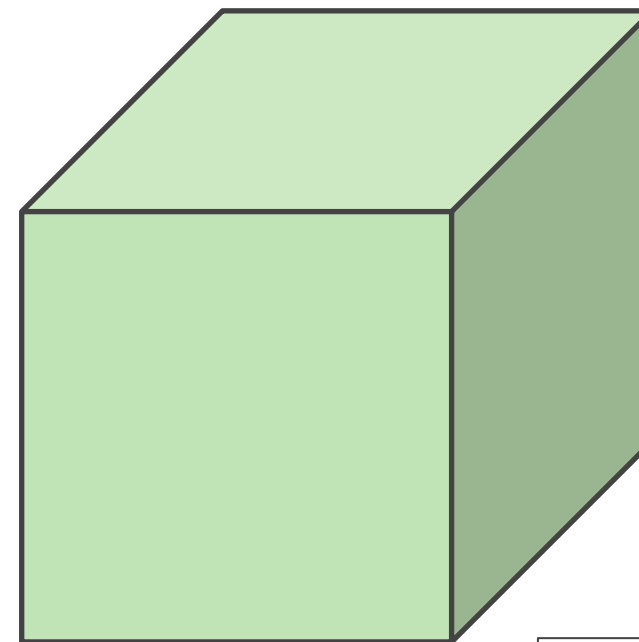
height

Resume video once completed

Explore

For each shape below, fill the boxes with 3, 4, 5 to make the maximum and minimum volumes.

What do you notice?

This cylinder has a radius of ☐ cm and a length/height of ☐ cm

The 3 dimensions of this cuboid are ☐cm ☐cm ☐cm.