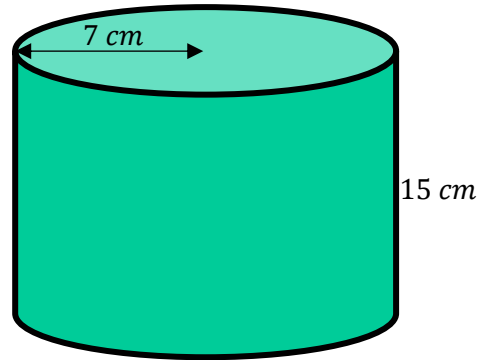


Surface area of a cylinder

1. Below is a cylinder.

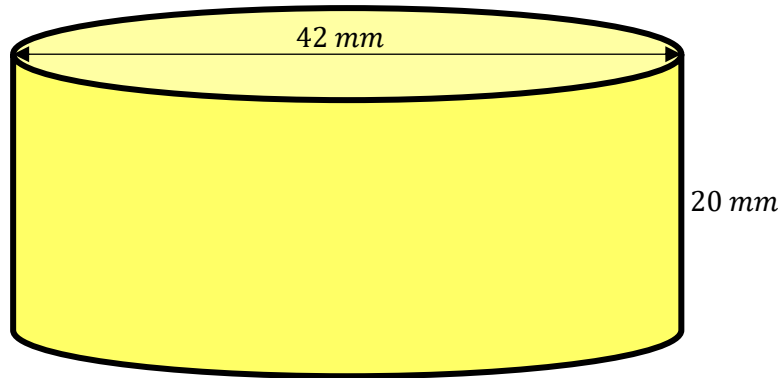


Work out the total surface area.
State the units.

(4 marks)

Surface area of a cylinder

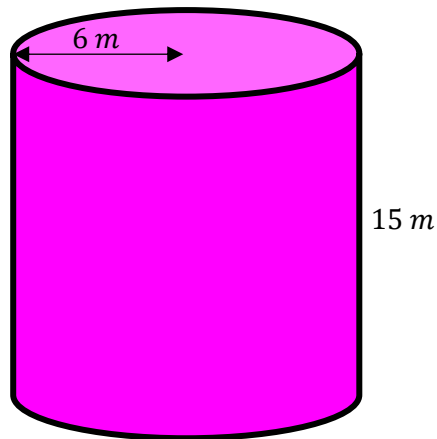
2. Work out the total surface area of the cylinder.
State the units.



(4 marks)

Surface area of a cylinder

3. Shown below is a cylinder.

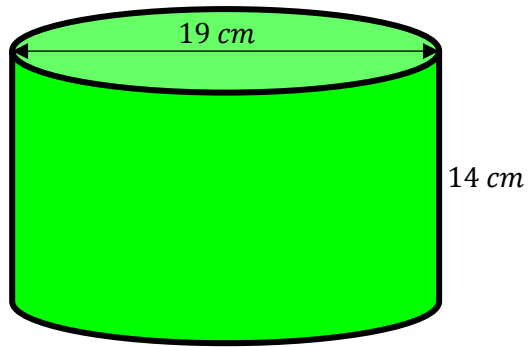


Work out the total surface area.
Give your answer in terms of π .

(4 marks)

Surface area of a cylinder

4. Work out the curved surface area of the cylinder.

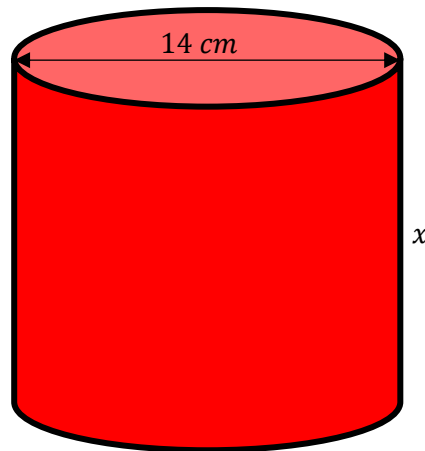


State the units.

(3 marks)

Surface area of a cylinder

5. Below is a cylinder.

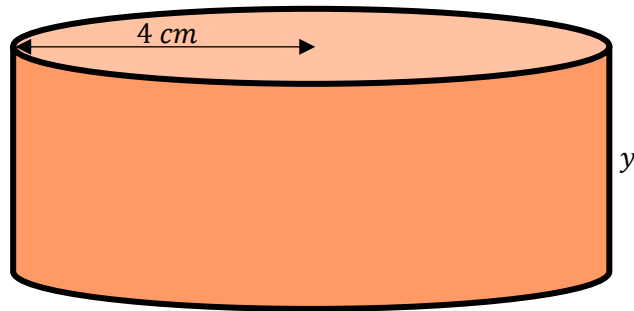


The cylinder has a total surface area of 1011.6 cm^2 .
Find x .

(4 marks)

Surface area of a cylinder

6. The surface area of the cylinder is $72\pi \text{ cm}^2$.

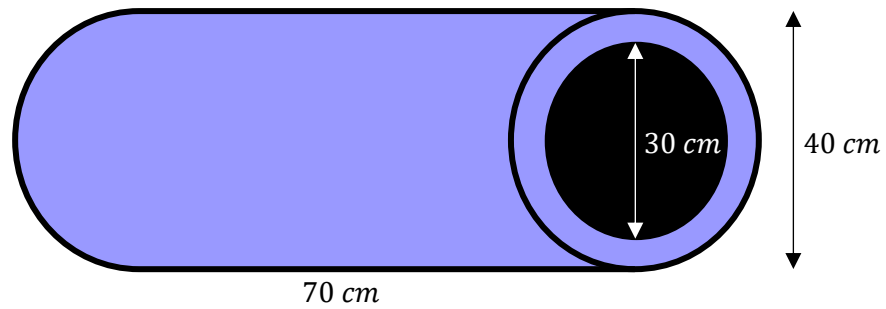


Work out the length of y .

(4 marks)

Surface area of a cylinder

7. Below is a tunnel.

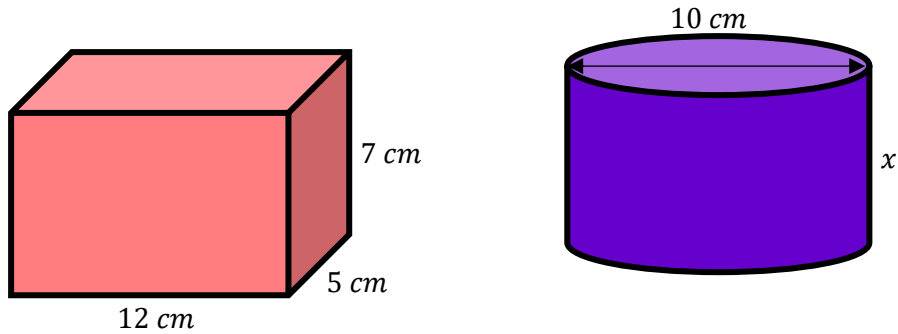


The external part of the tunnel is going to get painted.
What is the total area of the part of the tunnel that will be painted?
State the units.

(5 marks)

Surface area of a cylinder

8. The cuboid and the cylinder have the same surface area.

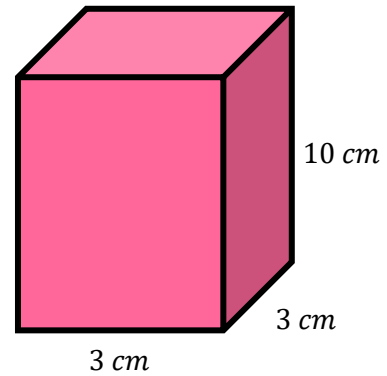
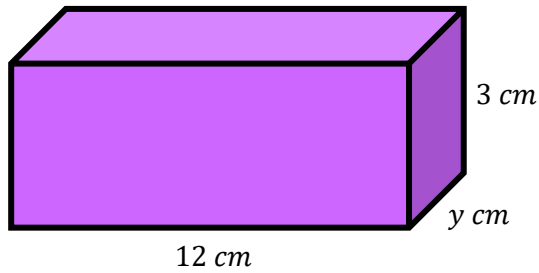


Find the length of x .

(5 marks)

Surface area of a cylinder

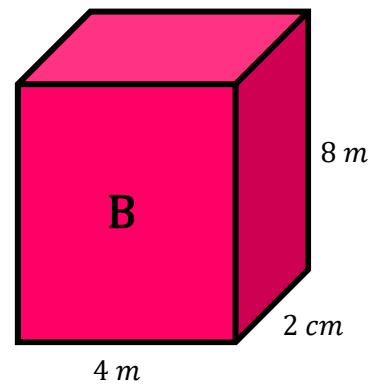
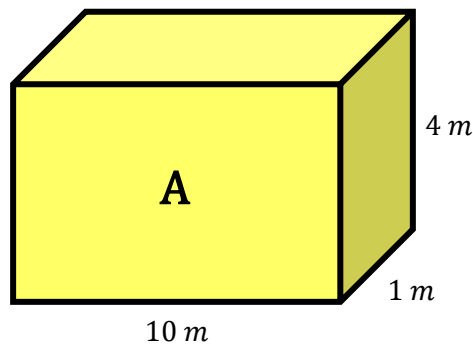
9. Both cuboids have the same surface area.



Find y .

(4 marks)

10. Below are two cuboids.
Which cuboid has the biggest surface area?
You must show all workings.



Surface area of a cylinder

(4 marks)