

(1)

What would be the volume of the cylinder if the radius was 15 cm?

(2)

What would be the surface area of the cylinder if the radius was 5 cm?

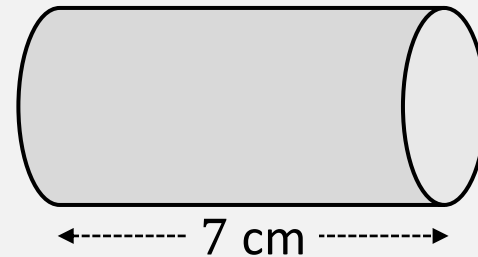
(3)

What would be the radius of the cylinder if the volume was 1237 cm^3 ?

(8)

For what values of the radius is the volume (in cm^3) less than the surface area (in cm^2)?

Cylinder



(4)

What would be the surface area of the cylinder if the volume was 717 cm^3 ?

(7)

Find the radius when the volume (in cm^3) is 5% bigger than the surface area (in cm^2).

(6)

Find the volume when the area of the curved face is $\frac{1}{4}$ of the total surface area.

(5)

Find the radius when the volume (in cm^3) is three times the surface area (in cm^2).

(1)

What would be the volume of the cylinder if the radius was 15 cm?

4948 cm³

(2)

What would be the surface area of the cylinder if the radius was 5 cm?

397 cm²

(3)

What would be the radius of the cylinder if the volume was 1237 cm³?

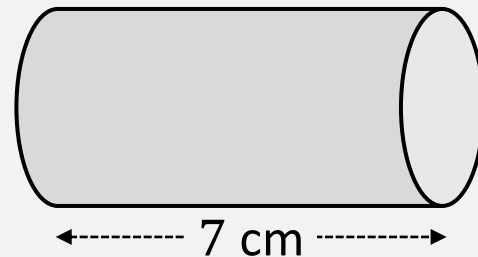
7.5 cm

(8)

For what values of the radius is the volume (in cm³) less than the surface area (in cm²)?

$r < 2.8$ cm

Cylinder



(4)

What would be the surface area of the cylinder if the volume was 717 cm³?

456 cm²

(7)

Find the radius when the volume (in cm³) is 5% bigger than the surface area (in cm²).

3 cm

(6)

Find the volume when the area of the curved face is $\frac{1}{4}$ of the total surface area.

9698 cm³ ($r = 21$ cm)

(5)

Find the radius when the volume (in cm³) is three times the surface area (in cm²).

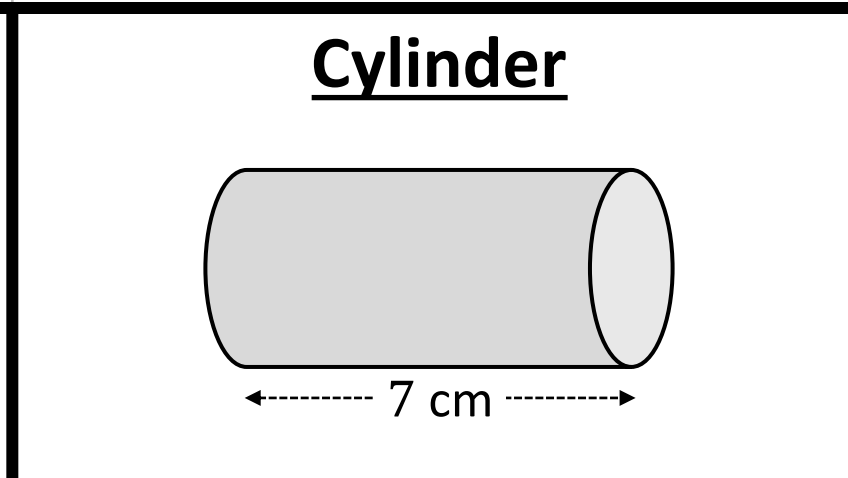
42 cm

(1) What would be the volume of the cylinder if the radius was 15 cm?

(2) What would be the surface area of the cylinder if the radius was 5 cm?

(3) What would be the radius of the cylinder if the volume was 1237 cm^3 ?

(8) For what values of the radius is the volume (in cm^3) less than the surface area (in cm^2)?



(4) What would be the surface area of the cylinder if the volume was 717 cm^3 ?

(7) Find the radius when the volume (in cm^3) is 5% bigger than the surface area (in cm^2)?

(6) Find the volume when the area of the curved face is $\frac{1}{4}$ of the total surface area?

(5) Find the radius when the volume (in cm^3) is three times the surface area (in cm^2).