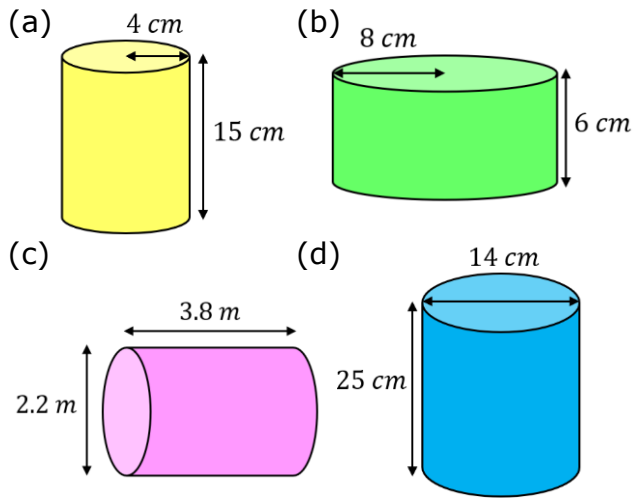


## Volume and Surface Area of Cylinders

Find the volume and total surface area of each of these cylinders.

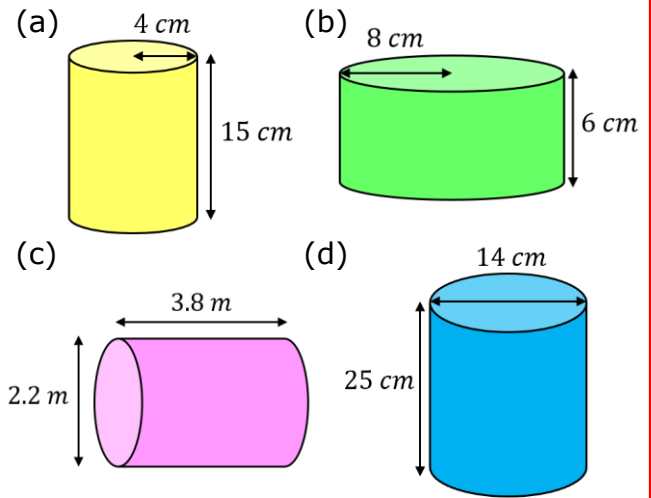


(a) Find the volume and surface area of a soup tin with a radius of 4.5 cm and a height of 12.5 cm.

(b) Find the volume and **curved** surface area of a glue stick with a diameter of 26 mm and a height of 70 mm.

## Volume and Surface Area of Cylinders

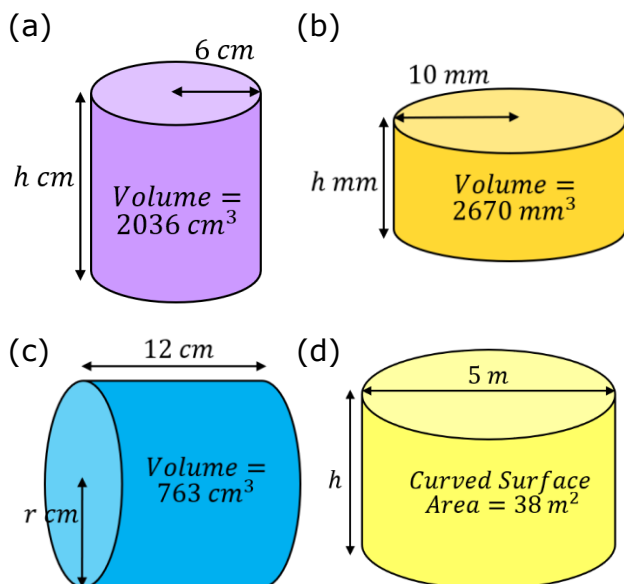
Find the volume and total surface area of each of these cylinders.



(a) Find the volume and surface area of a soup tin with a radius of 4.5 cm and a height of 12.5 cm.

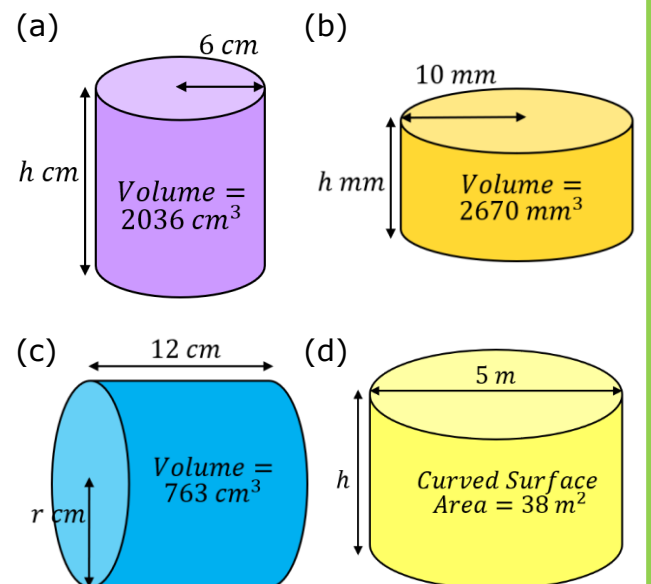
(b) Find the volume and **curved** surface area of a glue stick with a diameter of 26 mm and a height of 70 mm.

Find the missing lengths.



A cylinder has a height of 16 cm and a curved surface area of  $452 \text{ cm}^2$ . Find its volume.

Find the missing lengths.



A cylinder has a height of 16 cm and a curved surface area of  $452 \text{ cm}^2$ . Find its volume.