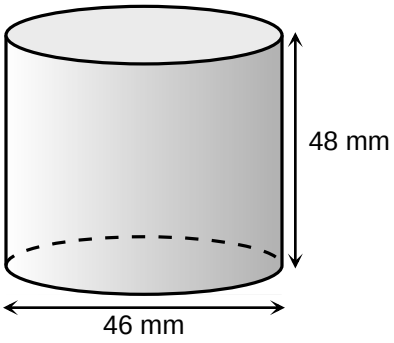
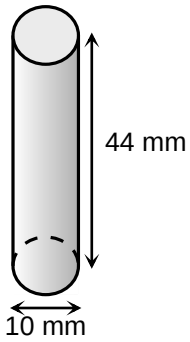
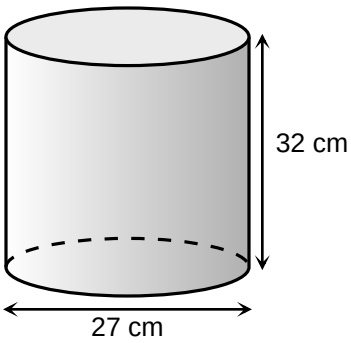
Find the surface area and volume of the cylinder.



Find the surface area and volume of the cylinder.

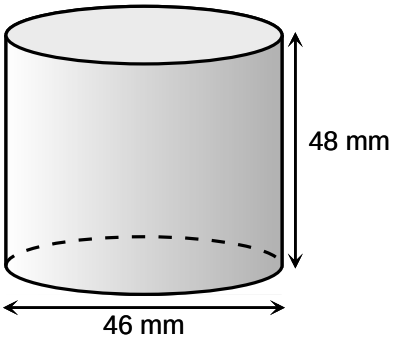


Find the surface area and volume of the cylinder.



Answer Key

Find the surface area and volume of the cylinder.



$SA = 2\pi rh + 2\pi r^2$

$SA = 2 \times 3.14 \times 23 \times 48 + 2 \times 3.14 \times 23^2$

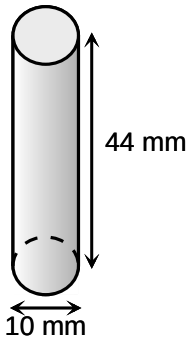
$SA = 10{,}255.24 \text{ mm}^2$

$V = \pi r^2 h$

$V = 3.14 \times 23^2 \times 48$

$V = 79{,}730.88 \text{ mm}^3$

Find the surface area and volume of the cylinder.



$SA = 2\pi rh + 2\pi r^2$

$SA = 2 \times 3.14 \times 5 \times 44 + 2 \times 3.14 \times 5^2$

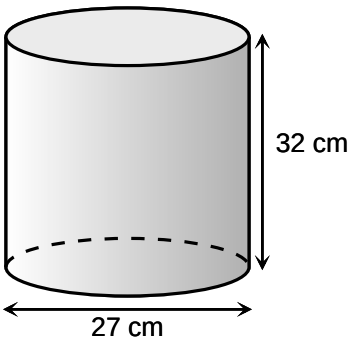
$SA = 1{,}538.6 \text{ mm}^2$

$V = \pi r^2 h$

$V = 3.14 \times 5^2 \times 44$

$V = 3{,}454 \text{ mm}^3$

Find the surface area and volume of the cylinder.



$SA = 2\pi rh + 2\pi r^2$

$SA = 2 \times 3.14 \times 13.5 \times 32 + 2 \times 3.14 \times 13.5^2$

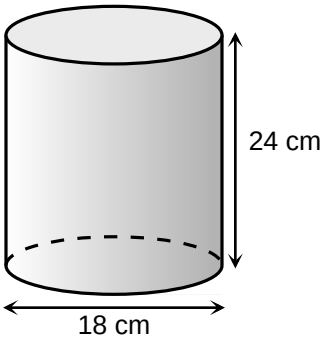
$SA = 3{,}857.49 \text{ cm}^2$

$V = \pi r^2 h$

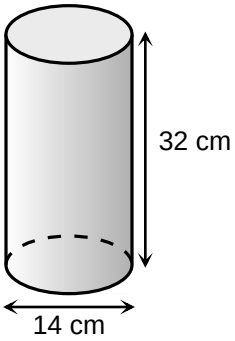
$V = 3.14 \times 13.5^2 \times 32$

$V = 18{,}312.48 \text{ cm}^3$

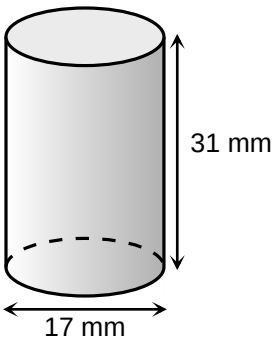
Find the surface area and volume of the cylinder.



Find the surface area and volume of the cylinder.

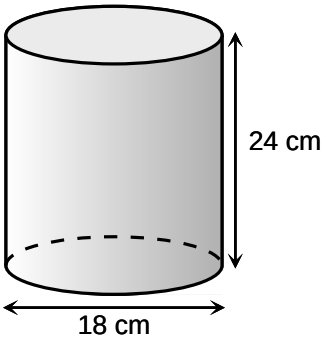


Find the surface area and volume of the cylinder.



Answer Key

Find the surface area and volume of the cylinder.



$SA = 2\pi rh + 2\pi r^2$

$SA = 2 \times 3.14 \times 9 \times 24 + 2 \times 3.14 \times 9^2$

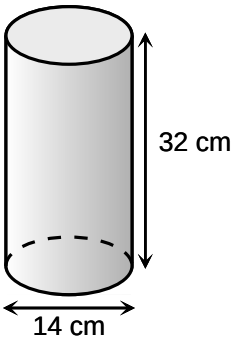
$SA = 1{,}865.16\ cm^2$

$V = \pi r^2 h$

$V = 3.14 \times 9^2 \times 24$

$V = 6{,}104.16\ cm^3$

Find the surface area and volume of the cylinder.



$SA = 2\pi rh + 2\pi r^2$

$SA = 2 \times 3.14 \times 7 \times 32 + 2 \times 3.14 \times 7^2$

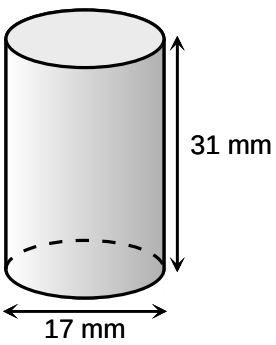
$SA = 1{,}714.44\ cm^2$

$V = \pi r^2 h$

$V = 3.14 \times 7^2 \times 32$

$V = 4{,}923.52\ cm^3$

Find the surface area and volume of the cylinder.



$SA = 2\pi rh + 2\pi r^2$

$SA = 2 \times 3.14 \times 8.5 \times 31 + 2 \times 3.14 \times 8.5^2$

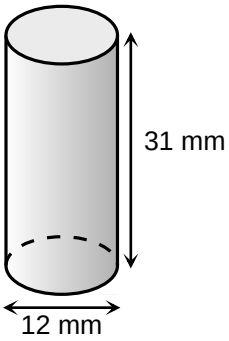
$SA = 2{,}108.51\ mm^2$

$V = \pi r^2 h$

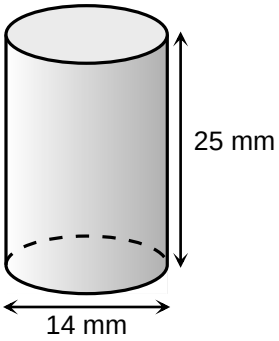
$V = 3.14 \times 8.5^2 \times 31$

$V = 7{,}032.82\ mm^3$

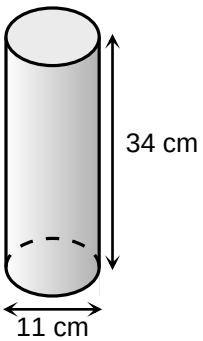
Find the surface area and volume of the cylinder.



Find the surface area and volume of the cylinder.

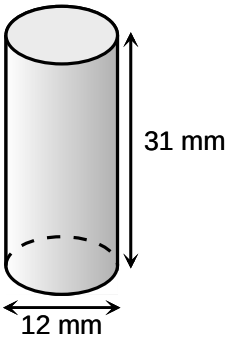


Find the surface area and volume of the cylinder.



Answer Key

Find the surface area and volume of the cylinder.



$SA = 2\pi rh + 2\pi r^2$

$SA = 2 \times 3.14 \times 6 \times 31 + 2 \times 3.14 \times 6^2$

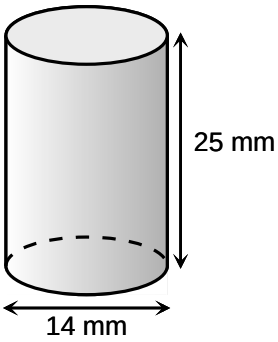
$SA = 1{,}394.16\ mm^2$

$V = \pi r^2 h$

$V = 3.14 \times 6^2 \times 31$

$V = 3{,}504.24\ mm^3$

Find the surface area and volume of the cylinder.



$SA = 2\pi rh + 2\pi r^2$

$SA = 2 \times 3.14 \times 7 \times 25 + 2 \times 3.14 \times 7^2$

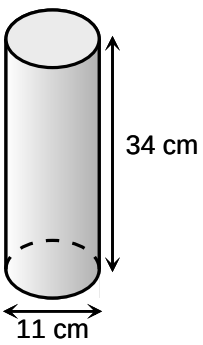
$SA = 1{,}406.72\ mm^2$

$V = \pi r^2 h$

$V = 3.14 \times 7^2 \times 25$

$V = 3{,}846.5\ mm^3$

Find the surface area and volume of the cylinder.



$SA = 2\pi rh + 2\pi r^2$

$SA = 2 \times 3.14 \times 5.5 \times 34 + 2 \times 3.14 \times 5.5^2$

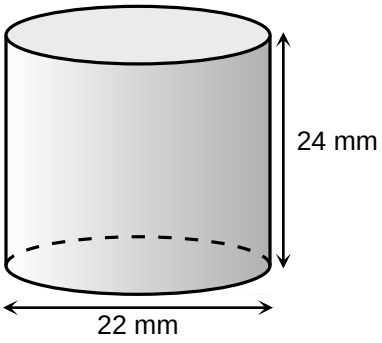
$SA = 1{,}364.33\ cm^2$

$V = \pi r^2 h$

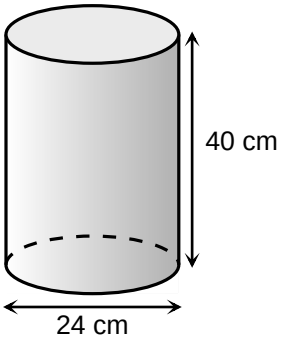
$V = 3.14 \times 5.5^2 \times 34$

$V = 3{,}229.49\ cm^3$

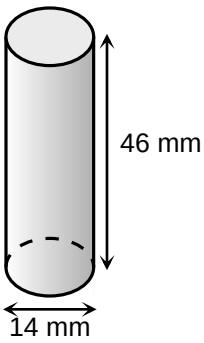
Find the surface area and volume of the cylinder.



Find the surface area and volume of the cylinder.

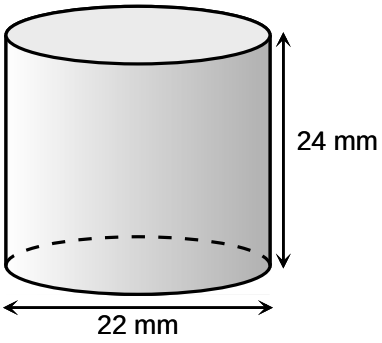


Find the surface area and volume of the cylinder.



Answer Key

Find the surface area and volume of the cylinder.



$SA = 2\pi rh + 2\pi r^2$

$SA = 2 \times 3.14 \times 11 \times 24 + 2 \times 3.14 \times 11^2$

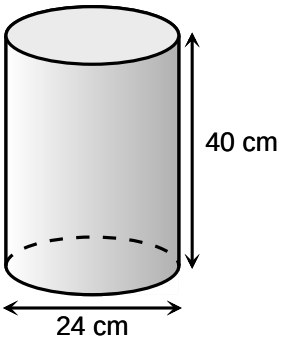
$SA = 2{,}417.8 \text{ mm}^2$

$V = \pi r^2 h$

$V = 3.14 \times 11^2 \times 24$

$V = 9{,}118.56 \text{ mm}^3$

Find the surface area and volume of the cylinder.



$SA = 2\pi rh + 2\pi r^2$

$SA = 2 \times 3.14 \times 12 \times 40 + 2 \times 3.14 \times 12^2$

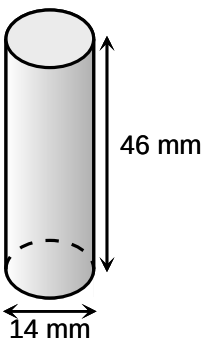
$SA = 3{,}918.72 \text{ cm}^2$

$V = \pi r^2 h$

$V = 3.14 \times 12^2 \times 40$

$V = 18{,}086.4 \text{ cm}^3$

Find the surface area and volume of the cylinder.



$SA = 2\pi rh + 2\pi r^2$

$SA = 2 \times 3.14 \times 7 \times 46 + 2 \times 3.14 \times 7^2$

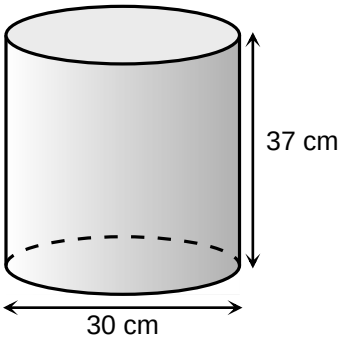
$SA = 2{,}329.88 \text{ mm}^2$

$V = \pi r^2 h$

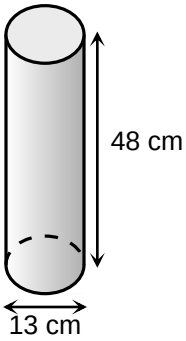
$V = 3.14 \times 7^2 \times 46$

$V = 7{,}077.56 \text{ mm}^3$

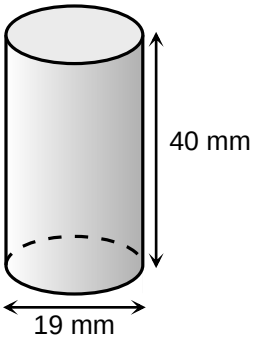
Find the surface area and volume of the cylinder.



Find the surface area and volume of the cylinder.

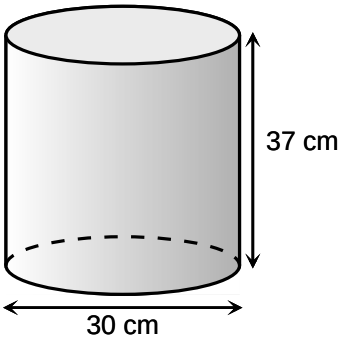


Find the surface area and volume of the cylinder.



Answer Key

Find the surface area and volume of the cylinder.



$SA = 2\pi rh + 2\pi r^2$

$SA = 2 \times 3.14 \times 15 \times 37 + 2 \times 3.14 \times 15^2$

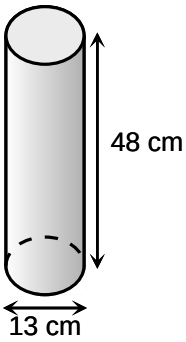
$SA = 4{,}898.4 \text{ cm}^2$

$V = \pi r^2 h$

$V = 3.14 \times 15^2 \times 37$

$V = 26{,}140.5 \text{ cm}^3$

Find the surface area and volume of the cylinder.



$SA = 2\pi rh + 2\pi r^2$

$SA = 2 \times 3.14 \times 6.5 \times 48 + 2 \times 3.14 \times 6.5^2$

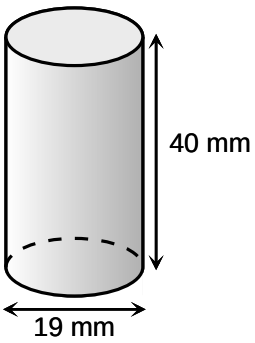
$SA = 2{,}224.69 \text{ cm}^2$

$V = \pi r^2 h$

$V = 3.14 \times 6.5^2 \times 48$

$V = 6{,}367.92 \text{ cm}^3$

Find the surface area and volume of the cylinder.



$SA = 2\pi rh + 2\pi r^2$

$SA = 2 \times 3.14 \times 9.5 \times 40 + 2 \times 3.14 \times 9.5^2$

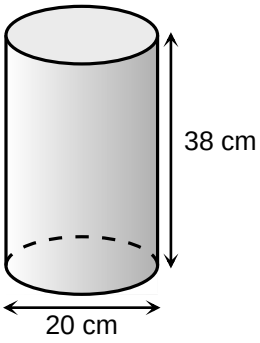
$SA = 2{,}953.17 \text{ mm}^2$

$V = \pi r^2 h$

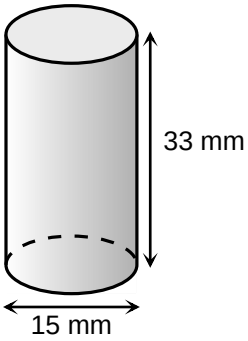
$V = 3.14 \times 9.5^2 \times 40$

$V = 11{,}335.4 \text{ mm}^3$

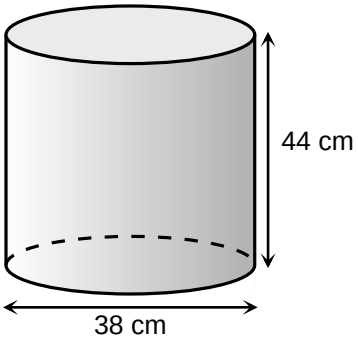
Find the surface area and volume of the cylinder.



Find the surface area and volume of the cylinder.

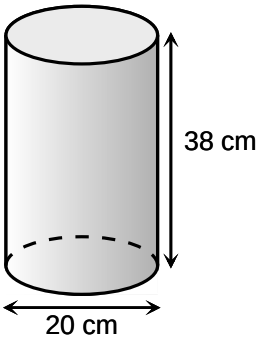


Find the surface area and volume of the cylinder.



Answer Key

Find the surface area and volume of the cylinder.



$SA = 2\pi rh + 2\pi r^2$

$SA = 2 \times 3.14 \times 10 \times 38 + 2 \times 3.14 \times 10^2$

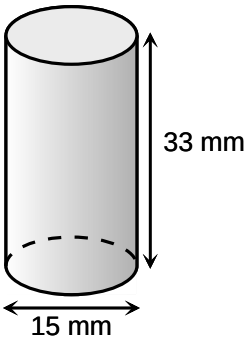
$SA = 3{,}014.4 \text{ cm}^2$

$V = \pi r^2 h$

$V = 3.14 \times 10^2 \times 38$

$V = 11{,}932 \text{ cm}^3$

Find the surface area and volume of the cylinder.



$SA = 2\pi rh + 2\pi r^2$

$SA = 2 \times 3.14 \times 7.5 \times 33 + 2 \times 3.14 \times 7.5^2$

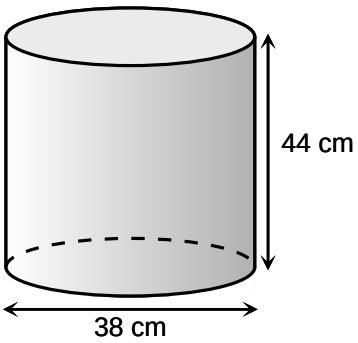
$SA = 1{,}907.55 \text{ mm}^2$

$V = \pi r^2 h$

$V = 3.14 \times 7.5^2 \times 33$

$V = 5{,}828.63 \text{ mm}^3$

Find the surface area and volume of the cylinder.



$SA = 2\pi rh + 2\pi r^2$

$SA = 2 \times 3.14 \times 19 \times 44 + 2 \times 3.14 \times 19^2$

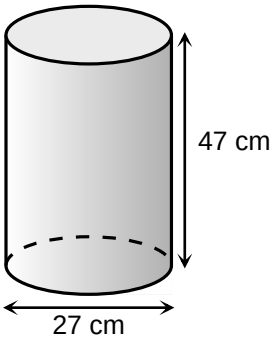
$SA = 7{,}517.16 \text{ cm}^2$

$V = \pi r^2 h$

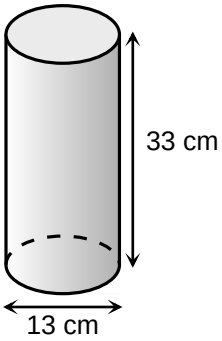
$V = 3.14 \times 19^2 \times 44$

$V = 49{,}875.76 \text{ cm}^3$

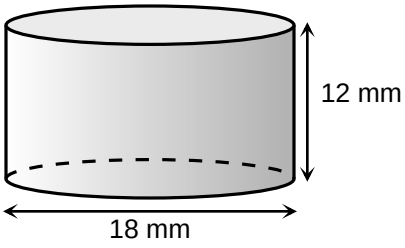
Find the surface area and volume of the cylinder.



Find the surface area and volume of the cylinder.

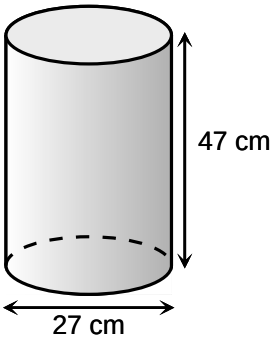


Find the surface area and volume of the cylinder.



Answer Key

Find the surface area and volume of the cylinder.



$SA = 2\pi rh + 2\pi r^2$

$SA = 2 \times 3.14 \times 13.5 \times 47 + 2 \times 3.14 \times 13.5^2$

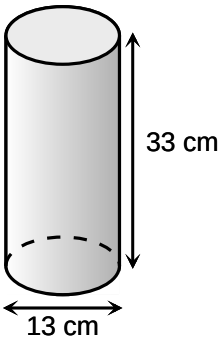
$SA = 5{,}129.19 \text{ cm}^2$

$V = \pi r^2 h$

$V = 3.14 \times 13.5^2 \times 47$

$V = 26{,}896.46 \text{ cm}^3$

Find the surface area and volume of the cylinder.



$SA = 2\pi rh + 2\pi r^2$

$SA = 2 \times 3.14 \times 6.5 \times 33 + 2 \times 3.14 \times 6.5^2$

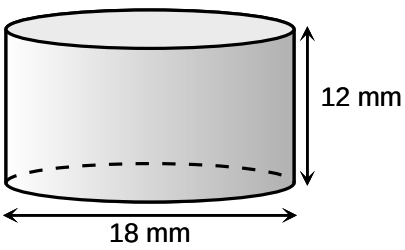
$SA = 1{,}612.39 \text{ cm}^2$

$V = \pi r^2 h$

$V = 3.14 \times 6.5^2 \times 33$

$V = 4{,}377.95 \text{ cm}^3$

Find the surface area and volume of the cylinder.



$SA = 2\pi rh + 2\pi r^2$

$SA = 2 \times 3.14 \times 9 \times 12 + 2 \times 3.14 \times 9^2$

$SA = 1{,}186.92 \text{ mm}^2$

$V = \pi r^2 h$

$V = 3.14 \times 9^2 \times 12$

$V = 3{,}052.08 \text{ mm}^3$

Maths = standardised
Children = unique

Personalised online maths tutoring that goes beyond practice and builds your child's confidence at school

Enrol today

CLUEY LEARNING

Let's solve this

1300 182 000

WWW.CLUEYLEARNING.COM.AU