

Fill in the Blanks

Volume and Surface Area of Cylinders

Radius	Height	Volume in terms of π	Volume to 3 s.f.	Curved Surface Area in terms of π	Total Surface Area in terms of π	Total Surface Area to 3 s.f.
5 cm	10 cm	$250\pi \text{ cm}^3$	785 cm^3	$100\pi \text{ cm}^2$	$150\pi \text{ cm}^2$	471 cm^2
7 cm	15 cm	$735\pi \text{ cm}^3$	2310 cm^3	$210\pi \text{ cm}^2$	$308\pi \text{ cm}^2$	968 cm^2
16 mm	20 mm	$5120\pi \text{ mm}^3$	16100 mm^3	$320\pi \text{ mm}^2$	$1152\pi \text{ mm}^2$	3620 mm^2
0.6 m	2.4 m	$0.864\pi \text{ m}^3$	2.71 m^3	$\frac{72}{25}\pi \text{ m}^2$	$\frac{18}{5}\pi \text{ m}^2$	11.3 m^2
10 cm	5 cm	$500\pi \text{ cm}^3$	1570 cm^3	$100\pi \text{ cm}^2$	$300\pi \text{ cm}^2$	942 cm^2
8 cm	12 cm	$768\pi \text{ cm}^3$	2410 cm^3	$192\pi \text{ cm}^2$	$320\pi \text{ cm}^2$	1010 cm^2
1.5 m	5 m	$\frac{45}{4}\pi \text{ m}^3$	35.3 m^3	$15\pi \text{ m}^2$	$\frac{39}{2}\pi \text{ m}^2$	61.3 m^2
6 mm	20 mm	$720\pi \text{ mm}^3$	2260 mm^3	$240\pi \text{ mm}^2$	$312\pi \text{ mm}^2$	980 mm^2