

## Solid figures - cylinders

**Find the volume of each cylinder.**

- 1) A cylinder with a radius of 8 m and a height of 5 m.
- 2) A cylinder with a radius of 5 m and a height of 10 m.
  
- 3) A cylinder with a diameter of 16 ft and a height of 10 ft.
- 4) A cylinder with a diameter of 14 ft and a height of 10 ft.
  
- 5) A cylinder with a radius of 6 cm and a height of 10 cm.
- 6) A cylinder with a diameter of 18 ft and a height of 9 ft.

7) A cylinder with a diameter of 14 cm and a height of 7 cm.

8) A cylinder with a diameter of 8 in and a height of 6 in.

9) A cylinder with a diameter of 20 in and a height of 9 in.

10) A cylinder with a diameter of 10 mi and a height of 8 mi.

11) A cylinder with a diameter of 12 km and a height of 5 km.

12) A cylinder with a diameter of 12 km and a height of 8 km.

13) A cylinder with a diameter of 8 yd and a height of 2 yd.

14) A cylinder with a diameter of 18 ft and a height of 8 ft.

15) A cylinder with a radius of 3 m and a height of 6 m.

16) A cylinder with a radius of 8 ft and a height of 8 ft.

17) A cylinder with a diameter of 4 cm and a height of 1 cm.

18) A cylinder with a radius of 7 ft and a height of 4 ft.

19) A cylinder with a diameter of 12 cm and a height of 4 cm.

20) A cylinder with a diameter of 8 in and a height of 7 in.

21) A cylinder with a diameter of 2 mi and a height of 2 mi.

22) A cylinder with a diameter of 16 in and a height of 6 in.

23) A cylinder with a diameter of 8 mi and a height of 4 mi.

24) A cylinder with a radius of 10 km and a height of 6 km.

25) A cylinder with a diameter of 18 km and a height of 7 km.

26) A cylinder with a diameter of 2 yd and a height of 5 yd.

27) A cylinder with a radius of 8 m and a height of 4 m.

28) A cylinder with a diameter of 4 ft and a height of 7 ft.

29) A cylinder with a radius of 6 cm and a height of 9 cm.

30) A cylinder with a diameter of 14 ft and a height of 5 ft.

## Answers to Solid figures - cylinders

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|----------------------------|----------------------------|---------------------------|----------------------------|
| 1) 1005.3 m <sup>3</sup>   | 2) 785.4 m <sup>3</sup>    | 3) 2010.6 ft <sup>3</sup> | 4) 1539.4 ft <sup>3</sup>  |
| 5) 1131 cm <sup>3</sup>    | 6) 2290.2 ft <sup>3</sup>  | 7) 1077.6 cm <sup>3</sup> | 8) 301.6 in <sup>3</sup>   |
| 9) 2827.4 in <sup>3</sup>  | 10) 628.3 mi <sup>3</sup>  | 11) 565.5 km <sup>3</sup> | 12) 904.8 km <sup>3</sup>  |
| 13) 100.5 yd <sup>3</sup>  | 14) 2035.8 ft <sup>3</sup> | 15) 169.6 m <sup>3</sup>  | 16) 1608.5 ft <sup>3</sup> |
| 17) 12.6 cm <sup>3</sup>   | 18) 615.8 ft <sup>3</sup>  | 19) 452.4 cm <sup>3</sup> | 20) 351.9 in <sup>3</sup>  |
| 21) 6.3 mi <sup>3</sup>    | 22) 1206.4 in <sup>3</sup> | 23) 201.1 mi <sup>3</sup> | 24) 1885 km <sup>3</sup>   |
| 25) 1781.3 km <sup>3</sup> | 26) 15.7 yd <sup>3</sup>   | 27) 804.2 m <sup>3</sup>  | 28) 88 ft <sup>3</sup>     |
| 29) 1017.9 cm <sup>3</sup> | 30) 769.7 ft <sup>3</sup>  |                           |                            |