

Solid figures - complete

Find the volume of each of the figures, using the information from the description.

- 1) A cylinder with a radius of 10 ft and a height of 8 ft.
- 2) A cylinder with a diameter of 6 m and a height of 5 m.

- 3) A square prism measuring 6 m along each edge of the base and 5 m tall.
- 4) A cylinder with a radius of 2 ft and a height of 9 ft.

- 5) A sphere with a diameter of 8 cm.
- 6) A sphere with a diameter of 16 ft.

7) A cylinder with a radius of 6 cm and a height of 8 cm.

8) A rectangular prism measuring 8 in and 5 in along the base and 7 in tall.

9) A square prism measuring 3 in along each edge of the base and 6 in tall.

10) A rectangular prism measuring 3 mi and 10 mi along the base and 6 mi tall.

11) A sphere with a radius of 6 km.

12) A square pyramid measuring 2 yd along each edge of the base with a height of 2 yd.

13) A square prism measuring 7 km along each edge of the base and 5 km tall.

14) A sphere with a diameter of 6 yd.

15) A square prism measuring 2 ft along each edge of the base and 5 ft tall.

16) A cone with radius 9 m and a height of 18 m.

17) A cone with diameter 12 cm and a height of 12 cm.

18) A square prism measuring 6 ft along each edge of the base and 4 ft tall.

19) A cylinder with a diameter of 14 ft and a height of 9 ft.

20) A cone with radius 2 in and a height of 6 in.

21) A cone with radius 10 mi and a height of 20 mi.

22) A sphere with a radius of 9.4 mi.

23) A square prism measuring 5 in along each edge of the base and 10 in tall.

24) A rectangular prism measuring 3 cm and 6 cm along the base and 6 cm tall.

25) A rectangular prism measuring 6 km and 3 km along the base and 4 km tall.

26) A square prism measuring 4 yd along each edge of the base and 10 yd tall.

27) A sphere with a radius of 4.1 yd.

28) A rectangular prism measuring 8 km and 5 km along the base and 4 km tall.

29) A cylinder with a diameter of 12 m and a height of 6 m.

30) A square pyramid measuring 6 cm along each edge of the base with a height of 7 cm.

Answers to Solid figures - complete

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| 1) 2513.3 ft ³ | 2) 141.4 m ³ | 3) 180 m ³ | 4) 113.1 ft ³ |
| 5) 268.1 cm ³ | 6) 2144.7 ft ³ | 7) 904.8 cm ³ | 8) 280 in ³ |
| 9) 54 in ³ | 10) 180 mi ³ | 11) 904.8 km ³ | 12) 2.7 yd ³ |
| 13) 245 km ³ | 14) 113.1 yd ³ | 15) 20 ft ³ | 16) 1526.8 m ³ |
| 17) 452.4 cm ³ | 18) 144 ft ³ | 19) 1385.4 ft ³ | 20) 25.1 in ³ |
| 21) 2094.4 mi ³ | 22) 3479.1 mi ³ | 23) 250 in ³ | 24) 108 cm ³ |
| 25) 72 km ³ | 26) 160 yd ³ | 27) 288.7 yd ³ | 28) 160 km ³ |
| 29) 678.6 m ³ | 30) 84 cm ³ | | |