

Solid figures - prism

Calculate the volume of each prism.

- 1) A rectangular prism measuring 2 in and 9 in along the base and 6 in tall.
- 2) A rectangular prism measuring 1 mi and 5 mi along the base and 2 mi tall.
- 3) A rectangular prism measuring 5 mi and 9 mi along the base and 5 mi tall.
- 4) A square prism measuring 6 in along each edge of the base and 10 in tall.
- 5) A rectangular prism measuring 1 km and 7 km along the base and 2 km tall.
- 6) A rectangular prism measuring 3 km and 6 km along the base and 8 km tall.

7) A square prism measuring 4 yd along each edge of the base and 2 yd tall.

8) A rectangular prism measuring 3 yd and 1 yd along the base and 3 yd tall.

9) A square prism measuring 10 m along each edge of the base and 6 m tall.

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

11) A rectangular prism measuring 9 m and 5 m along the base and 9 m tall.

12) A rectangular prism measuring 8 ft and 7 ft along the base and 7 ft tall.

13) A rectangular prism measuring 8 cm and 9 cm along the base and 10 cm tall.

14) A square prism measuring 2 in along each edge of the base and 4 in tall.

15) A square prism measuring 6 cm along each edge of the base and 2 cm tall.

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

17) A rectangular prism measuring 10 in and 5 in along the base and 6 in tall.

18) A rectangular prism measuring 10 in and 3 in along the base and 3 in tall.

19) A square prism measuring 1 mi along each edge of the base and 2 mi tall.

20) A square prism measuring 8 km along each edge of the base and 5 km tall.

21) A square prism measuring 10 m along each edge of the base and 2 m tall.

22) A rectangular prism measuring 2 m and 5 m along the base and 3 m tall.

23) A rectangular prism measuring 10 yd and 8 yd along the base and 2 yd tall.

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

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

26) A square prism measuring 8 cm along each edge of the base and 9 cm tall.

27) A rectangular prism measuring 3 in and 6 in along the base and 6 in tall.

28) A rectangular prism measuring 8 cm and 5 cm along the base and 2 cm tall.

29) A square prism measuring 8 in along each edge of the base and 10 in tall.

30) A square prism measuring 10 mi along each edge of the base and 9 mi tall.

Answers to Solid figures - prism

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| 1) 108 in ³ | 2) 10 mi ³ | 3) 225 mi ³ | 4) 360 in ³ |
| 5) 14 km ³ | 6) 144 km ³ | 7) 32 yd ³ | 8) 9 yd ³ |
| 9) 600 m ³ | 10) 175 ft ³ | 11) 405 m ³ | 12) 392 ft ³ |
| 13) 720 cm ³ | 14) 16 in ³ | 15) 72 cm ³ | 16) 245 mi ³ |
| 17) 300 in ³ | 18) 90 in ³ | 19) 2 mi ³ | 20) 320 km ³ |
| 21) 200 m ³ | 22) 30 m ³ | 23) 160 yd ³ | 24) 8 ft ³ |
| 25) 324 ft ³ | 26) 576 cm ³ | 27) 108 in ³ | 28) 80 cm ³ |
| 29) 640 in ³ | 30) 900 mi ³ | | |