

## Solid figures - prism

**Find the surface area of each prism.**

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

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

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

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

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

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

10) A rectangular prism measuring 7 ft and 8 ft along the base and 3 ft tall.

11) A rectangular prism measuring 3 cm and 5 cm along the base and 6 cm tall.

12) A square prism measuring 2 in along each edge of the base and 3 in tall.

13) A square prism measuring 5 cm along each edge of the base and 4 cm tall.

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

15) A rectangular prism measuring 6 mi and 2 mi along the base and 4 mi tall.

16) A square prism measuring 7 km along each edge of the base and 6 km tall.

17) A square prism measuring 4 mi along each edge of the base and 4 mi tall.

18) A square prism measuring 6 yd along each edge of the base and 7 yd tall.

19) A rectangular prism measuring 4 km and 10 km along the base and 2 km tall.

20) A rectangular prism measuring 9 km and 6 km along the base and 2 km tall.

21) A rectangular prism measuring 10 yd and 4 yd along the base and 4 yd tall.

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

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

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

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

26) A rectangular prism measuring 5 cm and 2 cm along the base and 3 cm tall.

27) A rectangular prism measuring 3 ft and 2 ft along the base and 5 ft tall.

28) A rectangular prism measuring 9 km and 8 km along the base and 9 km tall.

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

30) A rectangular prism measuring 5 mi and 7 mi along the base and 6 mi tall.

## Answers to Solid figures - prism

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|-------------------------|-------------------------|-------------------------|-------------------------|
| 1) 132 in <sup>2</sup>  | 2) 520 km <sup>2</sup>  | 3) 264 yd <sup>2</sup>  | 4) 350 mi <sup>2</sup>  |
| 5) 190 km <sup>2</sup>  | 6) 108 m <sup>2</sup>   | 7) 10 ft <sup>2</sup>   | 8) 262 yd <sup>2</sup>  |
| 9) 288 m <sup>2</sup>   | 10) 202 ft <sup>2</sup> | 11) 126 cm <sup>2</sup> | 12) 32 in <sup>2</sup>  |
| 13) 130 cm <sup>2</sup> | 14) 168 in <sup>2</sup> | 15) 88 mi <sup>2</sup>  | 16) 266 km <sup>2</sup> |
| 17) 96 mi <sup>2</sup>  | 18) 240 yd <sup>2</sup> | 19) 136 km <sup>2</sup> | 20) 168 km <sup>2</sup> |
| 21) 192 yd <sup>2</sup> | 22) 342 m <sup>2</sup>  | 23) 144 m <sup>2</sup>  | 24) 378 in <sup>2</sup> |
| 25) 312 cm <sup>2</sup> | 26) 62 cm <sup>2</sup>  | 27) 62 ft <sup>2</sup>  | 28) 450 km <sup>2</sup> |
| 29) 486 mi <sup>2</sup> | 30) 214 mi <sup>2</sup> |                         |                         |