

Solid figures - spheres

Use the descriptions to calculate the surface area of each sphere.

- 1) A sphere with a diameter of 3.2 km.
- 2) A sphere with a diameter of 17.8 mi.
- 3) A sphere with a diameter of 4 yd.
- 4) A sphere with a radius of 7.6 km.
- 5) A sphere with a radius of 7 yd.
- 6) A sphere with a diameter of 18.4 m.

7) A sphere with a radius of 6 m.

8) A sphere with a radius of 9 ft.

9) A sphere with a diameter of 18.2 cm.

10) A sphere with a diameter of 10 in.

11) A sphere with a diameter of 16 cm.

12) A sphere with a diameter of 2 in.

13) A sphere with a diameter of 20 mi.

14) A sphere with a radius of 3.4 mi.

15) A sphere with a diameter of 1.8 yd.

16) A sphere with a radius of 6.7 yd.

17) A sphere with a radius of 5.2 m.

18) A sphere with a radius of 3 cm.

19) A sphere with a radius of 7.3 cm.

20) A sphere with a radius of 4 in.

21) A sphere with a radius of 3.2 cm.

22) A sphere with a diameter of 11.2 in.

23) A sphere with a radius of 3.9 km.

24) A sphere with a diameter of 5.6 yd.

25) A sphere with a diameter of 11 m.

26) A sphere with a radius of 3.7 ft.

27) A sphere with a radius of 8.4 cm.

28) A sphere with a radius of 1.1 in.

29) A sphere with a diameter of 3.4 mi.

30) A sphere with a diameter of 5 m.

Answers to Solid figures - spheres

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| 1) 32.2 km ² | 2) 995.4 mi ² | 3) 50.3 yd ² | 4) 725.8 km ² |
| 5) 615.8 yd ² | 6) 1063.6 m ² | 7) 452.4 m ² | 8) 1017.9 ft ² |
| 9) 1040.6 cm ² | 10) 314.2 in ² | 11) 804.2 cm ² | 12) 12.6 in ² |
| 13) 1256.6 mi ² | 14) 145.3 mi ² | 15) 10.2 yd ² | 16) 564.1 yd ² |
| 17) 339.8 m ² | 18) 113.1 cm ² | 19) 669.7 cm ² | 20) 201.1 in ² |
| 21) 128.7 cm ² | 22) 394.1 in ² | 23) 191.1 km ² | 24) 98.5 yd ² |
| 25) 380.1 m ² | 26) 172 ft ² | 27) 886.7 cm ² | 28) 15.2 in ² |
| 29) 36.3 mi ² | 30) 78.5 m ² | | |