Solutions – Volume of 3D Shapes (A)

A cylinder has radius 3 cm and height 5 cm. Find the volume in terms of π.

$45\pi \text{ cm}^3$

A pyramid has rectangular base 10 cm × 7 cm and height 4 cm. Find the volume.

$280/3 \text{ cm}^3$

A cone has radius 4 cm and height 5 cm. Find the volume in terms of π.

$80\pi/3 \text{ cm}^3$

A sphere has radius 8 cm. Find the volume in terms of π.

$2048\pi/3 \text{ cm}^3$

A sphere has radius 2 cm. Find the volume in terms of π.

$32\pi/3 \text{ cm}^3$

A cuboid has dimensions 2 cm × 3 cm × 1 cm. Find the volume.

6 cm^3

Solutions – Volume of 3D Shapes (B)

A cuboid has dimensions 1 cm × 6 cm × 6 cm. Find the volume.
36 cm^3

A cylinder has radius 10 cm and height 10 cm. Find the volume in terms of π.
1000π cm^3

A sphere has radius 6 cm. Find the volume in terms of π.
288π cm^3

A pyramid has rectangular base 3 cm × 1 cm and height 5 cm. Find the volume.
5 cm^3

A cone has radius 4 cm and height 1 cm. Find the volume in terms of π.
16π/3 cm^3

A cuboid has dimensions 10 cm × 4 cm × 9 cm. Find the volume.
360 cm^3

Solutions – Volume of 3D Shapes (C)

A cylinder has radius 7 cm and height 10 cm. Find the volume in terms of π.

490π cm³

A cone has radius 7 cm and height 6 cm. Find the volume in terms of π.

98π cm³

A sphere has radius 6 cm. Find the volume in terms of π.

288π cm³

A cuboid has dimensions 6 cm × 1 cm × 1 cm. Find the volume.

6 cm³

A pyramid has rectangular base 1 cm × 7 cm and height 6 cm. Find the volume.

14 cm³

A cone has radius 2 cm and height 6 cm. Find the volume in terms of π.

8π cm³

Solutions – Volume of 3D Shapes (D)

A sphere has radius 7 cm. Find the volume in terms of π.
1372π/3 cm^3

A cuboid has dimensions 6 cm × 5 cm × 6 cm. Find the volume.
180 cm^3

A pyramid has rectangular base 1 cm × 6 cm and height 3 cm. Find the volume.
6 cm^3

A cone has radius 1 cm and height 8 cm. Find the volume in terms of π.
8π/3 cm^3

A cylinder has radius 8 cm and height 1 cm. Find the volume in terms of π.
64π cm^3

A pyramid has rectangular base 6 cm × 5 cm and height 2 cm. Find the volume.
20 cm^3

Solutions – Volume of 3D Shapes (E)

A cuboid has dimensions 8 cm × 3 cm × 4 cm. Find the volume.
96 cm^3

A sphere has radius 10 cm. Find the volume in terms of π.
$4000\pi/3$ cm^3

A cuboid has dimensions 3 cm × 3 cm × 7 cm. Find the volume.
63 cm^3

A pyramid has rectangular base 1 cm × 2 cm and height 5 cm. Find the volume.
$10/3$ cm^3

A cone has radius 2 cm and height 4 cm. Find the volume in terms of π.
$16\pi/3$ cm^3

A cylinder has radius 3 cm and height 4 cm. Find the volume in terms of π.
36π cm^3

Solutions – Volume of 3D Shapes (F)

A cuboid has dimensions 8 cm × 10 cm × 9 cm. Find the volume.
720 cm^3

A cylinder has radius 8 cm and height 10 cm. Find the volume in terms of π.
640π cm^3

A cone has radius 4 cm and height 3 cm. Find the volume in terms of π.
16π cm^3

A pyramid has rectangular base 1 cm × 9 cm and height 1 cm. Find the volume.
3 cm^3

A pyramid has rectangular base 3 cm × 3 cm and height 2 cm. Find the volume.
6 cm^3

A sphere has radius 10 cm. Find the volume in terms of π.
4000π/3 cm^3

Solutions – Volume of 3D Shapes (G)

A pyramid has rectangular base 8 cm × 8 cm and height 4 cm. Find the volume.

256/3 cm^3

A cuboid has dimensions 2 cm × 6 cm × 9 cm. Find the volume.

108 cm^3

A sphere has radius 1 cm. Find the volume in terms of π.

4π/3 cm^3

A cylinder has radius 8 cm and height 10 cm. Find the volume in terms of π.

640π cm^3

A cylinder has radius 8 cm and height 3 cm. Find the volume in terms of π.

192π cm^3

A cone has radius 10 cm and height 4 cm. Find the volume in terms of π.

400π/3 cm^3

Solutions – Volume of 3D Shapes (H)

A cuboid has dimensions 2 cm × 3 cm × 3 cm. Find the volume.

18 cm^3

A sphere has radius 9 cm. Find the volume in terms of π.

972π cm^3

A cylinder has radius 3 cm and height 3 cm. Find the volume in terms of π.

27π cm^3

A pyramid has rectangular base 3 cm × 4 cm and height 9 cm. Find the volume.

36 cm^3

A cone has radius 4 cm and height 10 cm. Find the volume in terms of π.

$160\pi/3$ cm^3

A cylinder has radius 3 cm and height 1 cm. Find the volume in terms of π.

9π cm^3

Solutions – Volume of 3D Shapes (I)

A pyramid has rectangular base 4 cm × 1 cm and height 7 cm. Find the volume.

$28/3$ cm³

A cylinder has radius 4 cm and height 1 cm. Find the volume in terms of π.

16π cm³

A sphere has radius 6 cm. Find the volume in terms of π.

288π cm³

A cuboid has dimensions 10 cm × 7 cm × 6 cm. Find the volume.

420 cm³

A pyramid has rectangular base 6 cm × 5 cm and height 1 cm. Find the volume.

10 cm³

A cone has radius 3 cm and height 7 cm. Find the volume in terms of π.

21π cm³

Solutions – Volume of 3D Shapes (J)

A cuboid has dimensions 2 cm × 10 cm × 9 cm. Find the volume.
180 cm^3

A cylinder has radius 10 cm and height 6 cm. Find the volume in terms of π.
600π cm^3

A pyramid has rectangular base 1 cm × 4 cm and height 8 cm. Find the volume.
32/3 cm^3

A pyramid has rectangular base 2 cm × 8 cm and height 4 cm. Find the volume.
64/3 cm^3

A sphere has radius 9 cm. Find the volume in terms of π.
972π cm^3

A cone has radius 8 cm and height 3 cm. Find the volume in terms of π.
64π cm^3