Solutions – Surface Area of 3D Shapes (A)

A cube has side length 8 cm. Find the surface area.
384 cm^2

A cone has radius 2 cm and slant height 6 cm. Find the surface area in terms of π.
16π cm^2

A cuboid has dimensions 9 cm × 1 cm × 5 cm. Find the surface area.
118 cm^2

A cube has side length 10 cm. Find the surface area.
600 cm^2

A cylinder has radius 9 cm and height 1 cm. Find the surface area in terms of π.
180π cm^2

A sphere has radius 3 cm. Find the surface area in terms of π.
36π cm^2

Solutions – Surface Area of 3D Shapes (B)

A cylinder has radius 4 cm and height 4 cm. Find the surface area in terms of π.
64π cm²

A cube has side length 6 cm. Find the surface area.
216 cm²

A cone has radius 3 cm and slant height 8 cm. Find the surface area in terms of π.
33π cm²

A cube has side length 1 cm. Find the surface area.
6 cm²

A sphere has radius 5 cm. Find the surface area in terms of π.
100π cm²

A cuboid has dimensions 10 cm × 2 cm × 7 cm. Find the surface area.
208 cm²

Solutions – Surface Area of 3D Shapes (C)

A cylinder has radius 4 cm and height 6 cm. Find the surface area in terms of π.
80π cm²

A cuboid has dimensions 4 cm × 9 cm × 4 cm. Find the surface area.
176 cm²

A sphere has radius 3 cm. Find the surface area in terms of π.
36π cm²

A cone has radius 5 cm and slant height 6 cm. Find the surface area in terms of π.
55π cm²

A cube has side length 7 cm. Find the surface area.
294 cm²

A sphere has radius 2 cm. Find the surface area in terms of π.
16π cm²

Solutions – Surface Area of 3D Shapes (D)

A sphere has radius 8 cm. Find the surface area in terms of π.
256π cm²

A cylinder has radius 3 cm and height 2 cm. Find the surface area in terms of π.
30π cm²

A cube has side length 10 cm. Find the surface area.
600 cm²

A cuboid has dimensions 2 cm × 8 cm × 1 cm. Find the surface area.
52 cm²

A cone has radius 9 cm and slant height 10 cm. Find the surface area in terms of π.
171π cm²

A cube has side length 8 cm. Find the surface area.
384 cm²

Solutions – Surface Area of 3D Shapes (E)

A cuboid has dimensions 2 cm × 3 cm × 8 cm. Find the surface area.
92 cm²

A sphere has radius 10 cm. Find the surface area in terms of π.
400π cm²

A cone has radius 6 cm and slant height 9 cm. Find the surface area in terms of π.
90π cm²

A sphere has radius 5 cm. Find the surface area in terms of π.
100π cm²

A cube has side length 2 cm. Find the surface area.
24 cm²

A cylinder has radius 10 cm and height 8 cm. Find the surface area in terms of π.
360π cm²

Solutions – Surface Area of 3D Shapes (F)

A cuboid has dimensions 1 cm × 5 cm × 5 cm. Find the surface area.
70 cm²

A sphere has radius 1 cm. Find the surface area in terms of π.
4π cm²

A cylinder has radius 1 cm and height 3 cm. Find the surface area in terms of π.
8π cm²

A cone has radius 7 cm and slant height 8 cm. Find the surface area in terms of π.
105π cm²

A cuboid has dimensions 7 cm × 10 cm × 7 cm. Find the surface area.
378 cm²

A cube has side length 4 cm. Find the surface area.
96 cm²

Solutions – Surface Area of 3D Shapes (G)

A cylinder has radius 7 cm and height 3 cm. Find the surface area in terms of π.
$140\pi \text{ cm}^2$

A cube has side length 2 cm. Find the surface area.
24 cm^2

A cylinder has radius 1 cm and height 3 cm. Find the surface area in terms of π.
$8\pi \text{ cm}^2$

A cone has radius 4 cm and slant height 8 cm. Find the surface area in terms of π.
$48\pi \text{ cm}^2$

A cuboid has dimensions 2 cm × 7 cm × 2 cm. Find the surface area.
64 cm^2

A sphere has radius 7 cm. Find the surface area in terms of π.
$196\pi \text{ cm}^2$

Solutions – Surface Area of 3D Shapes (H)

A cylinder has radius 9 cm and height 3 cm. Find the surface area in terms of π.
216π cm²

A cone has radius 8 cm and slant height 10 cm. Find the surface area in terms of π.
144π cm²

A cube has side length 5 cm. Find the surface area.
150 cm²

A cylinder has radius 7 cm and height 7 cm. Find the surface area in terms of π.
196π cm²

A cuboid has dimensions 6 cm × 1 cm × 9 cm. Find the surface area.
138 cm²

A sphere has radius 9 cm. Find the surface area in terms of π.
324π cm²

Solutions – Surface Area of 3D Shapes (I)

A cone has radius 1 cm and slant height 6 cm. Find the surface area in terms of π.

7π cm²

A cube has side length 3 cm. Find the surface area.

54 cm²

A cuboid has dimensions 4 cm × 8 cm × 2 cm. Find the surface area.

112 cm²

A cylinder has radius 1 cm and height 9 cm. Find the surface area in terms of π.

20π cm²

A sphere has radius 4 cm. Find the surface area in terms of π.

64π cm²

A cone has radius 7 cm and slant height 9 cm. Find the surface area in terms of π.

112π cm²

Solutions – Surface Area of 3D Shapes (J)

A cone has radius 3 cm and slant height 9 cm. Find the surface area in terms of π.

36π cm²

A cylinder has radius 5 cm and height 10 cm. Find the surface area in terms of π.

150π cm²

A sphere has radius 4 cm. Find the surface area in terms of π.

64π cm²

A cuboid has dimensions 2 cm × 8 cm × 7 cm. Find the surface area.

172 cm²

A sphere has radius 4 cm. Find the surface area in terms of π.

64π cm²

A cube has side length 6 cm. Find the surface area.

216 cm²