RS Aggarwal Solutions for Class 8 Maths Chapter 19 Exercise 19.2: Here we have the RS Aggarwal Solutions for Class 8 Maths Chapter 19 Exercise 19.2 on Three Dimensional Figures. This exercise helps students understand how to work with three-dimensional shapes, such as cubes, cuboids, spheres, and cylinders.

It focuses on finding the surface area and volume of these shapes. The solutions guide students through each problem with simple, step-by-step instructions, making it easier to learn and solve similar questions. By using these solutions students can get better at calculating and understanding three-dimensional figures.

RS Aggarwal Solutions for Class 8 Maths Chapter 19 Exercise 19.2 Three Dimensional Figures Overview

In RS Aggarwal Solutions for Class 8 Maths Chapter 19 Exercise 19.2 students explore more complex aspects of three-dimensional figures. This exercise focuses on solving problems related to the surface area and volume of three-dimensional shapes like cubes, cuboids, spheres, and cylinders.

The exercise includes various types of questions that require students to apply formulas to find the surface area and volume of these shapes. The provided solutions break down each problem into clear, manageable steps, helping students understand how to approach and solve them effectively. This exercise enhances students ability to work with three-dimensional figures and strengthens their spatial reasoning skills.

RS Aggarwal Solutions for Class 8 Maths Chapter 19 Exercise 19.2 Three Dimensional Figures PDF

The PDF for RS Aggarwal Solutions for Class 8 Maths Chapter 19 Exercise 19.2 on Three Dimensional Figures is available below. It includes detailed explanations and step-by-step guidance to help students understand how to calculate surface areas and volumes of various three-dimensional figures, such as cubes, cuboids, spheres, and cylinders.

By reviewing this PDF students can enhance their grasp of three-dimensional geometry and improve their problem-solving skills in this area.

RS Aggarwal Solutions for Class 8 Maths Chapter 19 Exercise 19.2 Three Dimensional Figures PDF

RS Aggarwal Solutions for Class 8 Maths Chapter 19 Exercise 19.2 (Ex 19B)

Below we have provided RS Aggarwal Solutions for Class 8 Maths Chapter 19 Exercise 19.2 Three Dimensional Figures -

(Question 1) Define Euler's relation between the number of faces, number of edges and number of vertices for various 3-dimensional figures.

Solution:

In a 3-dimensional figure, let the number of faces be F; the number of edges be E and the number of vertices be V.

Then, the Euler's relation is given by

$$F - E + V = 2$$

(Question 2) How many edges are there in a

(i) Cuboid = 12 edges

(ii) Tetrahedron = 6 edges

(iii) Triangular prism = 9 edges

(iv) Square pyramid = 8 edges

(Question 3) How many faces are there in a

(i) Cube = 6 faces

(ii) Pentagonal prism = 7 faces

(iii) Tetrahedron = 4 faces

(iv) Pentagonal pyramid = 6 faces

(Question 4) How many vertices are there in a

(i) Cuboid = 8 vertices

(ii) Tetrahedron = 4 vertices

(iii) A triangular prism = 10 vertices

(iv) A square pyramid = 5 vertices

Benefits of RS Aggarwal Solutions for Class 8 Maths Chapter 19 Exercise 19.2

- **Clear Explanations**: The solutions provide step-by-step explanations making it easier for students to understand complex concepts related to surface areas and volumes of three-dimensional shapes.
- **Enhanced Problem-Solving Skills**: By working through these solutions students can improve their ability to solve various types of problems involving three-dimensional figures which is important for exams.
- **Improved Confidence**: With thorough solutions and practice students gain confidence in their ability to tackle similar problems in exams and assignments.
- **Confidence Building**: With clear and detailed solutions students can build confidence in their ability to tackle similar problems independently.