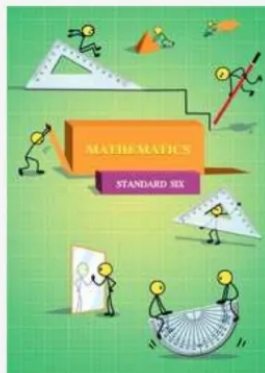


Maharashtra Board Solutions Class 6-Maths

(Practice Set 41): Chapter 18- Three Dimensional Shapes

BOOK SOLUTIONS
CLASS 6
MATHS

CHAPTER 18
Three Dimensional Shapes



Maharashtra Board Solutions→

For any clarifications or questions you can write to info@indcareer.com

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Maharashtra Board Solutions Class 6-Maths

(Practice Set 41): Chapter 18- Three Dimensional Shapes

Class 6: Maths Chapter 18 solutions. Complete Class 6 Maths Chapter 18 Notes.

Maharashtra Board Solutions Class 6-Maths (Practice Set 41): Chapter 18- Three Dimensional Shapes

Maharashtra Board 6th Maths Chapter 18, Class 6 Maths Chapter 18 solutions

Question 1.

Write the number of faces, edges and vertices of each shape in the table.

Name	Cylinder	Cone	Pentagonal pyramid	Hexagonal pyramid	Hexagonal prism	Pentagonal prism
Shape						
Faces						
Vertices						
Edges						

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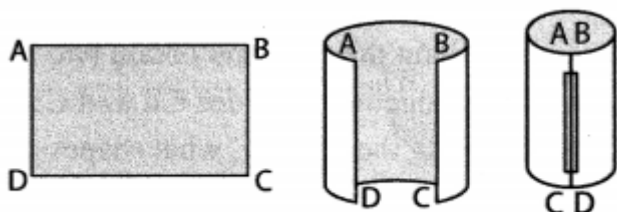
Solution:

Name	Cylinder	Cone	Pentagonal pyramid	Hexagonal pyramid	Hexagonal prism	Pentagonal prism
Faces	3 (2 flat + 1 curved)	2 (1 flat + 1 curved)	6 (5 triangles + 1 pentagon)	7 (6 triangles + 1 hexagon)	8 (6 rectangles + 2 hexagons)	7 (5 rectangles + 2 pentagons)
Vertices	0	1	6	7	12	10
Edges	2 (circular)	1 (circular)	10	12	18	15

Questions and Activities

Question 1.

1. Take a rectangular sheet.
2. Bring together its opposite sides. What shape does it form? (Textbook pg. no. 94)



Solution:

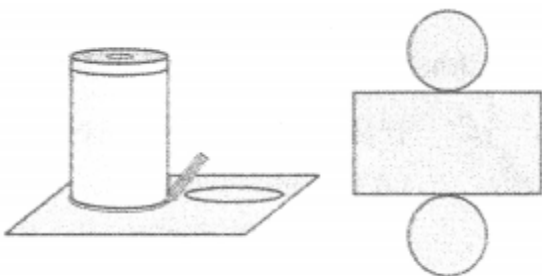
It forms a hollow cylinder.

Question 2.

1. Take a cylindrical tin.
2. Take a rectangular sheet with one side equal to the height of the tin.
3. Wrap it around the tin to cover it completely and cut away the extra paper.
4. Then unfold it and spread it out on a table.
5. Take another sheet. Place the tin on it and draw its circular outline.

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6. Cut away the paper around it. Cut out another circle like this one.
7. Place these discs next to the rectangular paper as shown in the given figure. Which figure is obtained? (Textbook pg. no. 94)



Solution:

The figure obtained is the net of the closed cylinder.

Question 3.

Can you tell? (Textbook pg. no. 95)

When playing carom, you make a pile of the pieces as shown in the picture. What is the shape of this pile?

If you place a number of CD's or round biscuits one on top of the other, what shape do you get?



Solution:

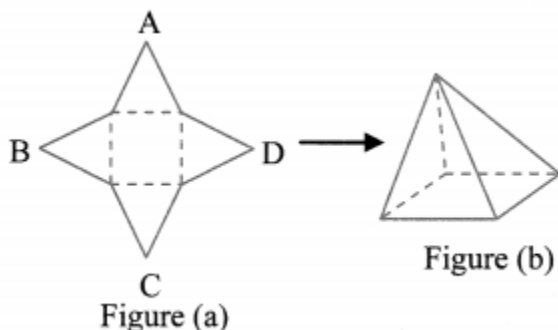
In all the cases, it will form a cylindrical shape (2 circular faces and 1 curved surface).

Question 4.

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1. Draw a net as shown in figure (a) on a card sheet and cut it out.
2. Fold along the dotted lines of the square and bring the sides together so that the vertices A, B, C and D meet at a point.

What shape does it form? (Textbook pg. no. 95)



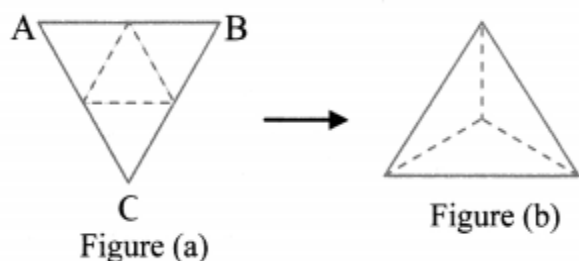
Solution:

The given net forms a quadrangular pyramid.

Question 5.

1. Draw a net as shown in figure (a) on a card sheet and cut it out.
2. Fold along the dotted lines of the triangle and bring the sides together so that the vertices A, B and C meet at a point.

What shape does it form? (Textbook pg. no. 95)



Solution:

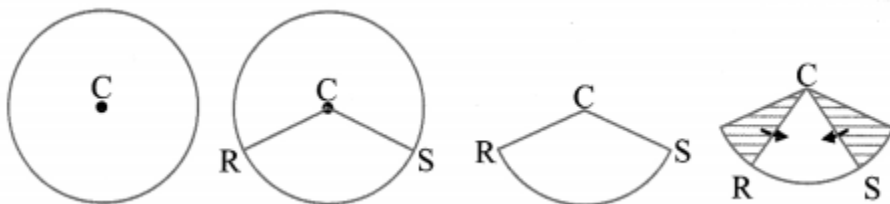
The given net forms a triangular pyramid.

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Question 6.

1. Using a compass draw a circle with centre C on a paper.
2. Draw two radii CR and CS.
3. Cut out the circle.
4. Cut along the radii and obtain two pieces of the circle.
5. Bring together the sides CR and CS of each piece.

On completing the activity, what shapes did you get? (Textbook pg. no. 95)

**Solution:**

On completing the activity, we get an open cone.



Maharashtra Board Solutions

Class 6 Maths

- Chapter 1- Basic Concepts in Geometry (Practice Set 1)
- Chapter 2- Angles (Practice Set 2)
- Chapter 2- Angles (Practice Set 3)
- Chapter 3- Integers (Practice Set 4)
- Chapter 3- Integers (Practice Set 5)
- Chapter 3- Integers (Practice Set 6)
- Chapter 3- Integers (Practice Set 7)
- Chapter 3- Integers (Practice Set 8)
- Chapter 4- Operations on Fractions (Practice Set 9)
- Chapter 4- Operations on Fractions (Practice Set 10)
- Chapter 4- Operations on Fractions (Practice Set 11)
- Chapter 4- Operations on Fractions (Practice Set 12)
- Chapter 4- Operations on Fractions (Practice Set 13)
- Chapter 5- Decimal Fractions (Practice Set 14)
- Chapter 5- Decimal Fractions (Practice Set 15)
- Chapter 5- Decimal Fractions (Practice Set 16)
- Chapter 5- Decimal Fractions (Practice Set 17)
- Chapter 6- Bar Graphs (Practice Set 18)
- Chapter 6- Bar Graphs (Practice Set 19)
- Chapter 7- Symmetry (Practice Set 20)
- Chapter 7- Symmetry (Practice Set 21)
- Chapter 8- Divisibility (Practice Set 22)

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- Chapter 9- HCF-LCM (Practice Set 23)
- Chapter 9- HCF-LCM (Practice Set 24)
- Chapter 9- HCF-LCM (Practice Set 25)
- Chapter 10- Equations (Practice Set 26)
- Chapter 10- Equations (Practice Set 27)
- Chapter 11- Ratio-Proportion (Practice Set 28)
- Chapter 11- Ratio-Proportion (Practice Set 29)
- Chapter 12- Percentage (Practice Set 30)
- Chapter 13- Profit-Loss (Practice Set 31)
- Chapter 13- Profit-Loss (Practice Set 32)
- Chapter 13- Profit-Loss (Practice Set 33)
- Chapter 13- Profit-Loss (Practice Set 34)
- Chapter 14- Banks and Simple Interest (Practice Set 35)
- Chapter 15- Triangles and their Properties (Practice Set 36)
- Chapter 16- Quadrilaterals (Practice Set 37)
- Chapter 16- Quadrilaterals (Practice Set 38)
- Chapter 17- Geometrical Constructions (Practice Set 39)
- Chapter 17- Geometrical Constructions (Practice Set 40)
- Chapter 18- Three Dimensional Shapes (Practice Set 41)

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About About Maharashtra State Board (MSBSHSE)

The Maharashtra State Board of Secondary and Higher Secondary Education or MSBSHSE (Marathi: महाराष्ट्र राज्य माध्यमिक आणि उच्च माध्यमिक शिक्षण मंडळ), is an **autonomous and statutory body established in 1965**. The board was amended in the year 1977 under the provisions of the Maharashtra Act No. 41 of 1965.

The Maharashtra State Board of Secondary & Higher Secondary Education (MSBSHSE), Pune is an independent body of the Maharashtra Government. There are more than 1.4 million students that appear in the examination every year. The Maha State Board conducts the board examination twice a year. This board conducts the examination for SSC and HSC.

The Maharashtra government established the Maharashtra State Bureau of Textbook Production and Curriculum Research, also commonly referred to as Ebalbharati, in 1967 to take up the responsibility of providing quality textbooks to students from all classes studying under the Maharashtra State Board. MSBHSE prepares and updates the curriculum to provide holistic development for students. It is designed to tackle the difficulty in understanding the concepts with simple language with simple illustrations. Every year around 10 lakh students are enrolled in schools that are affiliated with the Maharashtra State Board.

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FAQs

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Who developed the Maharashtra State board books?

As of now, the MSCERT and Balbharti are responsible for the syllabus and textbooks of Classes 1 to 8, while Classes 9 and 10 are under the Maharashtra State Board of Secondary and Higher Secondary Education (MSBSHSE).

How many state boards are there in Maharashtra?

The Maharashtra State Board of Secondary & Higher Secondary Education, conducts the HSC and SSC Examinations in the state of Maharashtra through its nine Divisional Boards located at Pune, Mumbai, Aurangabad, Nasik, Kolhapur, Amravati, Latur, Nagpur and Ratnagiri.

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