

Maharashtra Board Solutions Class 5-Maths (Problem Set 51) - Part 2: Chapter 13- Three Dimensional Objects and Nets

BOOK SOLUTIONS
CLASS 5
MATHS (PART 2)

CHAPTER 13
**Three Dimensional Objects
and Nets**



Maharashtra Board Solutions→



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Maharashtra Board Solutions Class 5-Maths (Problem Set 51) - Part 2: Chapter 13- Three Dimensional Objects and Nets

Class 5: Maths Chapter 13 solutions. Complete Class 5 Maths Chapter 13 Notes.

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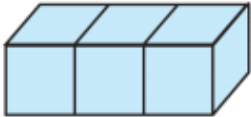
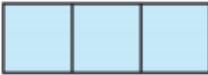
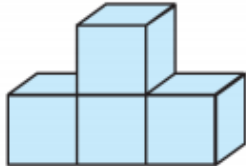
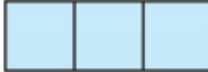
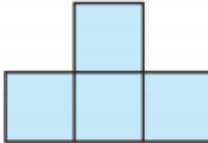
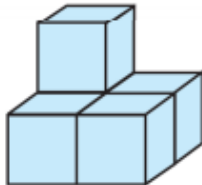
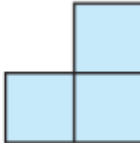
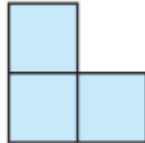
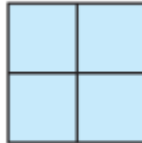
Maharashtra Board 5th Maths Chapter 13, Class 5 Maths Chapter 13 solutions

Important Questions and Answers.

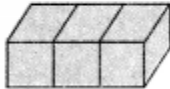
Question 1.

The first column shows a structure made of blocks. The other columns show different views of the structure in two dimensions. Say whether each view is from the front, from a side or from above.

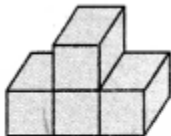
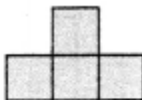
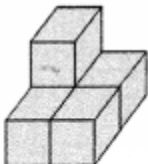
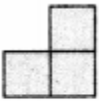
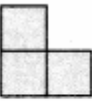
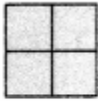
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	Block formations	View of formations		
(1)				
(2)				
(3)				

Answer:

Block formations	View of formations		
(1) 	 From the front	 From a side	 From above

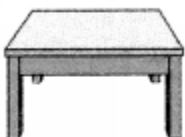
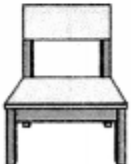
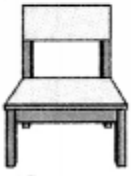
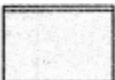
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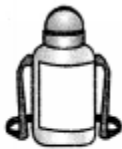
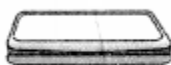
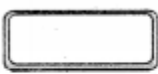
(2) 	 From above	 From a side	 From the front
(3) 	 From a side	 From the front	 From above

Question 2.

Draw three pictures of each of these three-dimensional objects – a table, a chair and a water bottle as viewed from the front, from a side and from above.

Answer:

Object	The object as seen		
(1) 	 From a side	 From the front	 From above
(2) 	 From a side	 From the front	 From above

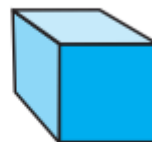
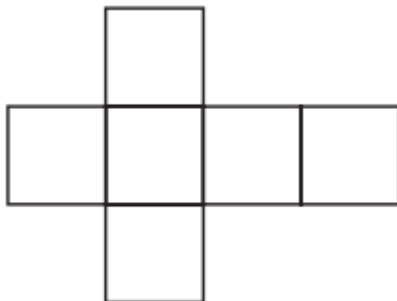
(3)		 From the front	 From above	 From a side
(4)		 From above	 From a side	 From the front

Nets

Last year we saw that cutting some edges of a box and laying it out flat gives us the net from which it was made.

The two dimensional shape from which a three dimensional object can be made by folding is called the 'net' of that object.

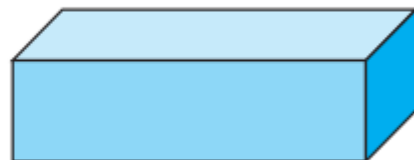
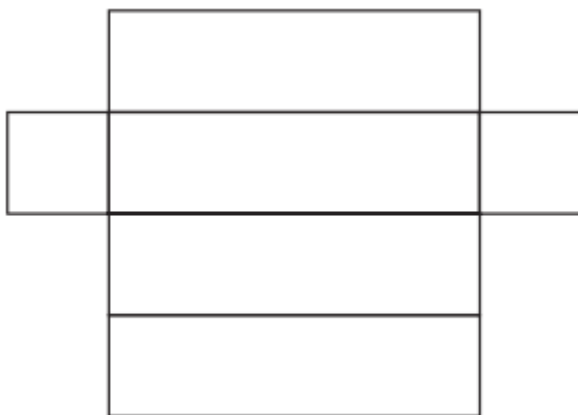
1. By folding the cardboard shown below, along the lines shown in it, we get a three dimensional object (box). In this shape, all surfaces are square. An object of this shape is called a cube.



2. The net of another cardboard box is shown in the figure below. By folding along the lines in this net and joining the edges to each other, we can see that a three dimensional box is formed. The surfaces of this box are rectangular in shape.

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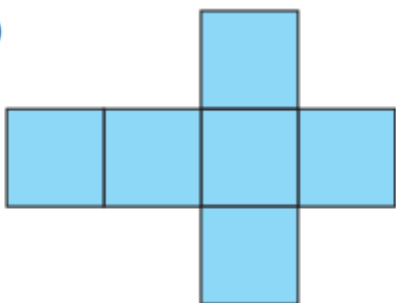
An object of this shape is called a cuboid.



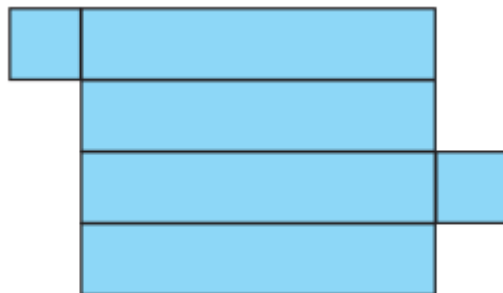
Activity :

Draw the nets shown below on card sheet. Cut out the shapes and find out the shapes of the boxes they form.

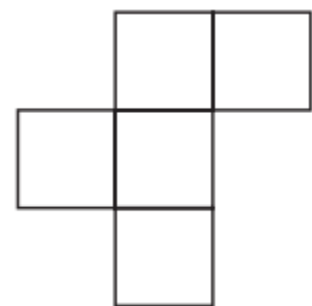
(1)



(2)



A five-square net (Pentomino)



Such an arrangement of five squares is called a 'five-square net' or a 'pentomino'.

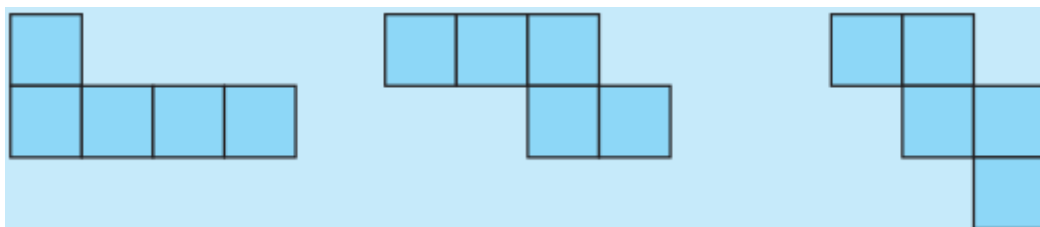
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By folding along the edges of such a five-square net, an open box is formed.



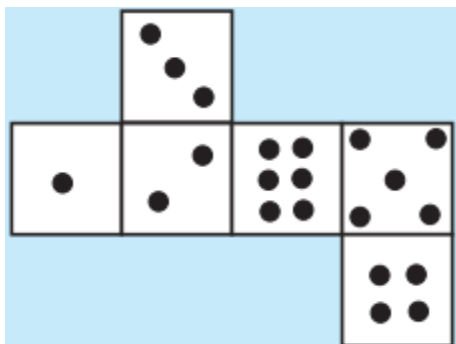
Activity :

Some five-square nets are given below. Draw these nets on a card sheet. Make open boxes from these nets.



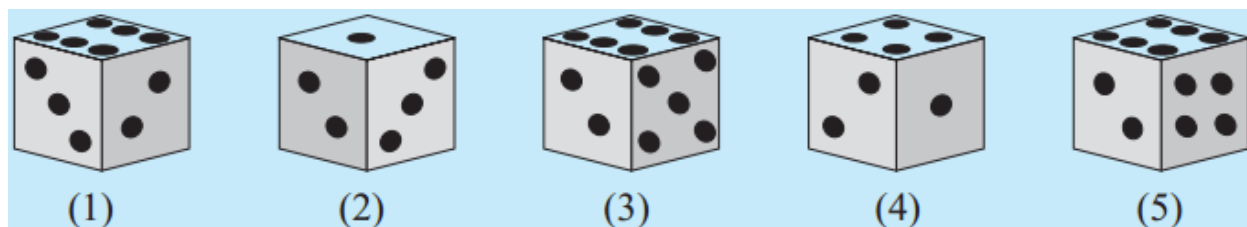
Try to find out other five-square nets that can be used to make open boxes.

A riddle



The net of a cube-shaped dice is given alongside. If a dice is made of this net, which of the following shapes will it definitely not resemble?

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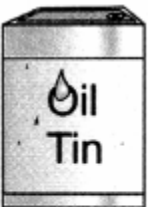
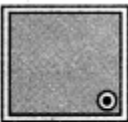


Additional Important Questions and Answers

Question 1.

Draw the pictures of each of these three dimensional objects – Mobile, Oil tin as viewed from the front, from a side and from above.

Answer:

Object	from the front	from one side	from above
(1) 			
(2) 			

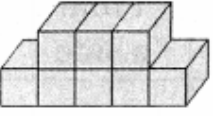
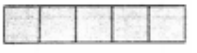
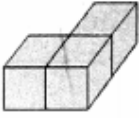
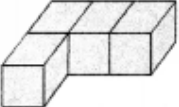
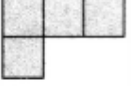
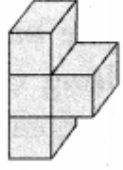
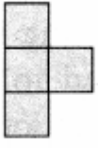
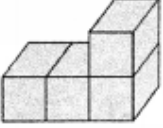
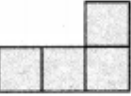
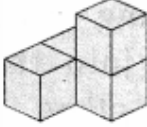
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Question 2.

The three dimensional figure of block formation is shown in the figure along side. Draw as view from the front, from a side and from above (fig. drawn in answer part)

Answer:

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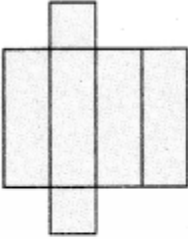
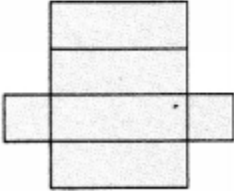
Block formations	from the front	from a side	from above
			
			
			
			
			
			

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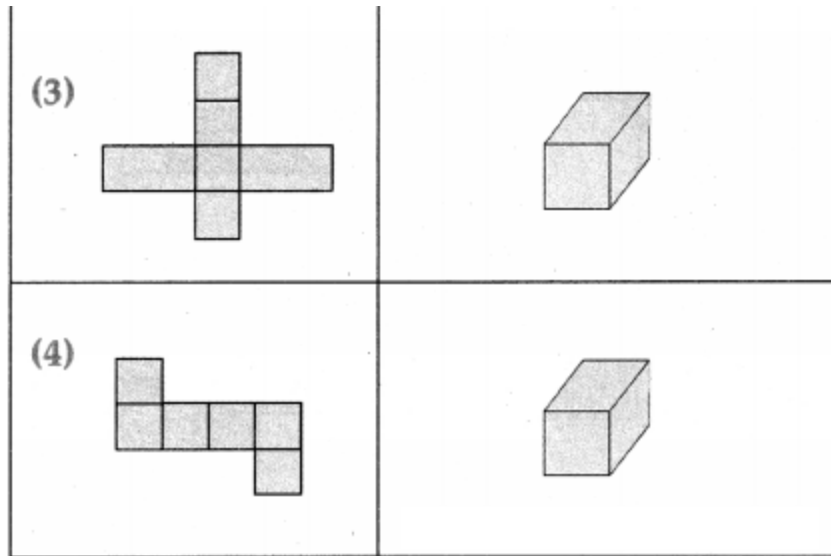
Question 3.

Draw the nets shown below on card sheet. Cut out the shapes and find out the shapes of the boxes they form.

Answer:

Forms	3 dimensional objects
(1) 	
(2) 	

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Class 5 Maths

Part 1

- Chapter 1- Roman Numerals (Problem Set 1)
- Chapter 2- Number Work (Problem Set 2)
- Chapter 2- Number Work (Problem Set 3)
- Chapter 2- Number Work (Problem Set 4)
- Chapter 2- Number Work (Problem Set 5)
- Chapter 2- Number Work (Problem Set 6)
- Chapter 3- Addition and Subtraction (Problem Set 7)
- Chapter 3- Addition and Subtraction (Problem Set 8)
- Chapter 3- Addition and Subtraction (Problem Set 9)
- Chapter 3- Addition and Subtraction (Problem Set 10)
- Chapter 3- Addition and Subtraction (Problem Set 11)
- Chapter 3- Addition and Subtraction (Problem Set 12)
- Chapter 3- Addition and Subtraction (Problem Set 13)
- Chapter 4- Multiplication and Division (Problem Set 14)
- Chapter 4- Multiplication and Division (Problem Set 15)
- Chapter 4- Multiplication and Division (Problem Set 16)
- Chapter 5- Fractions (Problem Set 17)
- Chapter 5- Fractions (Problem Set 18)
- Chapter 5- Fractions (Problem Set 19)
- Chapter 5- Fractions (Problem Set 20)
- Chapter 5- Fractions (Problem Set 21)

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- Chapter 5- Fractions (Problem Set 22)
- Chapter 5- Fractions (Problem Set 23)
- Chapter 6- Angles (Problem Set 24)
- Chapter 6- Angles (Problem Set 25)
- Chapter 6- Angles (Problem Set 26)
- Chapter 6- Angles (Problem Set 27)
- Chapter 7- Circles (Problem Set 28)
- Chapter 7- Circles (Problem Set 29)
- Chapter 7- Circles (Problem Set 30)
- Chapter 7- Circles (Problem Set 31)
- Chapter 8- Multiples and Factors (Problem Set 34)
- Chapter 8- Multiples and Factors (Problem Set 35)
- Chapter 9- Decimal Fractions (Problem Set 36)
- Chapter 9- Decimal Fractions (Problem Set 37)
- Chapter 9- Decimal Fractions (Problem Set 38)
- Chapter 9- Decimal Fractions (Problem Set 39)
- Chapter 9- Decimal Fractions (Problem Set 40)
- Chapter 9- Decimal Fractions (Problem Set 41)
- Chapter 9- Decimal Fractions (Problem Set 42)
- Chapter 10- Measuring Time (Problem Set 43)

Part 2.

- Chapter 8- Multiples and Factors (Problem Set 32)
- Chapter 8- Multiples and Factors (Problem Set 33)
- Chapter 10- Measuring Time (Problem Set 44)
- Chapter 10- Measuring Time (Problem Set 45)
- Chapter 11- Problems on Measurement (Problem Set 46)

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- Chapter 11- Problems on Measurement (Problem Set 47)
- Chapter 12- Perimeter and Area (Problem Set 48)
- Chapter 12- Perimeter and Area (Problem Set 49)
- Chapter 12- Perimeter and Area (Problem Set 50)
- Chapter 13- Three Dimensional Objects and Nets (Problem Set 51)
- Chapter 14- Pictographs (Problem Set 52)
- Chapter 15- Patterns (Problem Set 53)
- Chapter 16- Preparation for Algebra (Problem Set 54)
- Chapter 16- Preparation for Algebra (Problem Set 55)
- Chapter 16- Preparation for Algebra (Problem Set 56)

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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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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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