Chapter 1 Geometry

Question 1.

Draw the diagonals for the given rectangle.



Answer:



Question 2. How many diagonals will be there in a cuboid? **Answer:** 16

Match the properties of 2D shapes by observing their sides and corners (vertices).



Question 1. Opposite sides are equal.



Question 2. There are no sides and corners. **Answer:**



Question 3. Sides may or may not be equal. Answer:



Question 4. All the four sides are equal. **Answer:**



Properties of 3D Objects:

Question 1.

Pick out the shapes with (i) curved surfaces (ii) flat surfaces (iii) curved and flat surfaces from the given picture and completed table.



curuved surface				
0				
flat surtace				
curved and flat surface				

curuved surface	flat surface	curuved and flat surface		
 Clock Trophy Flower vase Globe Chalk piece Water bottle 	 Black board Triangle Duster Tables 	1. Illustration 2. Chairs		

Question 2.

Complete the table by counting the sides, corners and diagonals of the given 3D shapes.

3D shapes	Cube	Cubsid	Cylinder	Cone	Sphere
Name of the 3D shapes	Cube	Cuboid	Cylinder	Cone	Sphere
Number of sides					
Number of edges					
Number of corners					
Number of diagonals					



Name of the 3D shapes	Cube	Cuboid	Cylinder	Cone	Sphere
Number of sides	6	6	2	1	0
Number of edges	12	12	0	0	0
Number of corners	8	8	0	1	0
Number of diagonals	16	16	0	0	0

Tangrams (Text Book Page No. 7):

Identify the tangram pieces used in the given images by colouring and numbering the pieces as in the reference figure.

Question 1. A tangram house





Question 2. A tangram boat





Question 3. A tangram swan





Tessellation (Text Book Page No. 8):

Question 1.

Complete the shapes by filling the tiles.



Answer:





(ii)











Answer:





