Q1. Ramya bought sweets. The shopkeeper made a pink box. What did Ramya see when she unfolded the box?		
✓ Answer:		
• She saw a <b>net of the box</b> , which was a <b>flat paper cut-out</b> with flaps and squares arranged in a cross shape.		
This shape can be <b>folded along the dotted lines</b> to form a cube.		
Q2. Four shapes are shown. Which ones can be folded into a box (cube)?		
✓ Answer:		
• To check:		
O A cube has <b>6 square faces</b> .		
O The arrangement of squares must allow folding into a <b>closed cube</b> without overlaps or gaps.		
From the activity:		
Correct shapes (can form cube): Shape a and Shape c		
• Incorrect shapes: Shape b and Shape d		
Q3. How many faces does a cube have?		
✓ Answer:		
A cube has <b>6 faces</b> , and all are <b>square-shaped</b> .		
Q4. Shapes for an Open Box		
✓ Task:		
• Some nets (like 5-square shapes) can be folded to make an <b>open box</b> (no top face).		
• Refer to the shapes from Chapter 3 (12 pentomino shapes made of 5 squares).		
✓ Answer:		
Try cutting and folding them. About 6 out of 12 can form an open box.		
♦ Q5. Draw a shape which will fold into a cube.		
✓ Answer:		
Draw 6 squares like this:		
This is a standard cube net. All 6 faces will fold perfectly.		
Q6. Draw one shape which will NOT fold into a cube.		
Answer:		
Example of incorrect net:		

This will not fold correctly because the squares will **overlap** or leave a **gap**.

♦ Q7. List things around you that look like a cube		
Examples:		
•	Ice cube	
•	Rubik's cube	
•	Dice	
•	Sugar cube	
•	Small gift box	
🔷 Q8. В	oxes and Boxes – Match nets to box shapes	
Activi	ity:	
•	You are given different 2D nets and have to <b>match them to the correct box</b> they can form.	
Answ	er: Match based on:	
•	Flap location	
•	Top, bottom, and side face positions	
• b) What	A top-down 2D plan of a building showing walls, doors, windows.  is a deep drawing?	
•	A <b>3D-looking drawing</b> showing height, width, and depth (like a cube from angle view).	
<b>Q</b> 10.	Vibha's House Map – Identify correct deep drawing	
Answ	er:	
•	Check how many windows are on each side.	
•	Find the 3D image (deep drawing) where all doors/windows match the floor map.	
<b>Q</b> 11.	Practice Activity: Draw views from different angles	
Given a n	nodel (e.g., a bridge made of matchboxes):	
•	Draw it from:	
	O Top view	
	O Front view	
	O Side view	

Answer:

Top view shows layout (length × width)

Front shows height and width

Side shows depth and height