
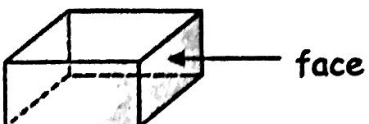

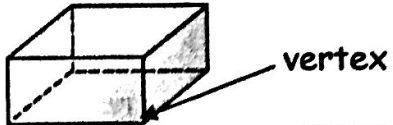
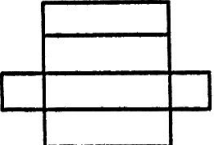
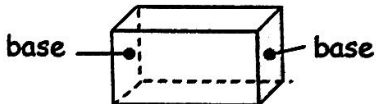

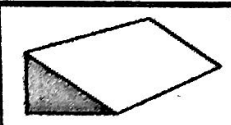

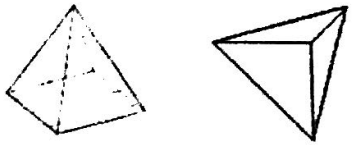




**ML #2: Solids/Nets/Cross Sections (Unit 10 - Math 7 PLUS)**

**PART 1: SOLID INFORMATION**

Vocabulary	Definition	Illustration
solid	Another name for a three-dimensional (space) figure	
faces	The plane figures (sides) that make up a solid	
edges	Where faces intersect	
vertex (vertices)	Where three or more edges intersect	
net	A pattern you can fold into a solid figure	

**Examples of solids:**

Name	Description		Illustration
Rectangular Prism	<ul style="list-style-type: none"> <li>• 2 rectangular bases</li> <li>• 4 rectangular sides</li> </ul>	<ul style="list-style-type: none"> <li>• faces _____</li> <li>• edges _____</li> <li>• vertices _____</li> </ul>	
Cube	<ul style="list-style-type: none"> <li>• all faces congruent</li> </ul>	<ul style="list-style-type: none"> <li>• faces _____</li> <li>• edges _____</li> <li>• vertices _____</li> </ul>	
Triangular Prism	<ul style="list-style-type: none"> <li>• 2 triangular bases</li> <li>• 3 rectangular sides</li> </ul>	<ul style="list-style-type: none"> <li>• faces _____</li> <li>• edges _____</li> <li>• vertices _____</li> </ul>	
Cylinder	<ul style="list-style-type: none"> <li>• 2 circular, <math>\cong</math>, parallel bases</li> <li>• lateral curved surface</li> </ul>	<ul style="list-style-type: none"> <li>• faces _____</li> <li>• edges _____</li> <li>• vertices _____</li> </ul>	
Pyramid	<ul style="list-style-type: none"> <li>• 4 or more faces</li> </ul>	<ul style="list-style-type: none"> <li>• faces _____</li> <li>• edges _____</li> <li>• vertices _____</li> </ul>	
Cone	<ul style="list-style-type: none"> <li>• 1 circular base</li> </ul>	<ul style="list-style-type: none"> <li>• faces _____</li> <li>• edges _____</li> <li>• vertices _____</li> </ul>	
Sphere	<ul style="list-style-type: none"> <li>• perfectly round</li> </ul>	<ul style="list-style-type: none"> <li>• faces _____</li> <li>• edges _____</li> <li>• vertices _____</li> </ul>	

# Nets and Cubes

There are exactly eleven nets that will form a cube. Which of the figures below can be folded into a cube? Shade in the ones that will fold into a cube. The first one is done for you.

- What is a net?

Cube	
Rectangular Prism	
Triangular Prism	
Cylinder	
Square Pyramid	
Triangular Pyramid	
Cone	