Name : _____ Date : _____

PAPILUMO / 3rd Grade

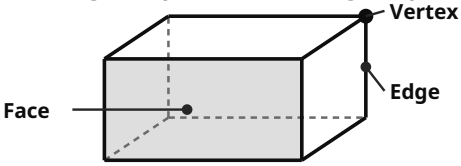
3D Solids: Faces, Edges, Vertices & Nets

Use the labeled prism guide, fill in faces, edges, and vertices in Part 1, then match 3D solids to 2D nets in Part 2.

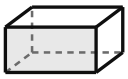


Balthazar the engineer counts every face, edge, and vertex carefully before folding his flat cardboard nets!

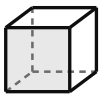
Model guide: parts of a rectangular prism

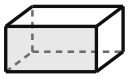


1. Inspect each 3D solid (hidden edges dashed) and write its exact number of faces, edges, and vertices:

3D Solid	Faces	Edges	Vertices
 **Cube**			
 **Rect. prism**			
 **Square pyramid**			
 **Tri. prism**			

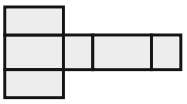
2. Draw lines matching each 3D solid on the left to its exact unfolded 2D net on the right:

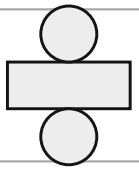
 **Cube**

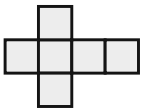
 **Rect. prism**

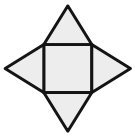
 **Square pyramid**

 **Cylinder**









Balthazar's tip: count the shapes inside each flat 2D net—every square, triangle, rectangle, or circle becomes one solid face!