



Slicing 3D Shapes

Today's Standard

7.G.A3 - Describe the two-dimensional figures that result from slicing three-dimensional figures, as in plane sections of right rectangular prisms and right rectangular pyramids.

Cues	Notes
Cross-section	Cross-section: A two-dimensional shape that results from slicing a three-dimensional figure.
Slicing plane	Slicing plane: A flat surface that cuts through a three-dimensional figure.
Right rectangular prism	Right rectangular prism: A 3D figure with six rectangular faces.
Right rectangular pyramid	Right rectangular pyramid: A 3D figure with a rectangular base and triangular faces that meet at a point.
Two-dimensional figures	Different slicing planes produce different cross-sections depending on their orientation and position.

Summary

Understanding cross-sections involves analyzing the two-dimensional shapes that result from slicing three-dimensional figures. This requires knowledge of geometric shapes and the impact of slicing planes.