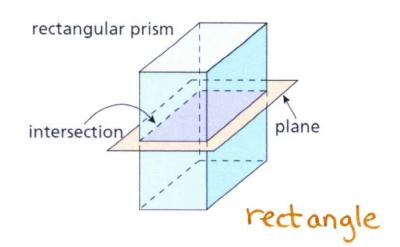
14.5 Extension: Cross Sections of 3-dimensional Figures p.620

Consider a plane "slicing" through a solid. The intersection of the plane and the solid is a two-dimensional shape called a cross section.

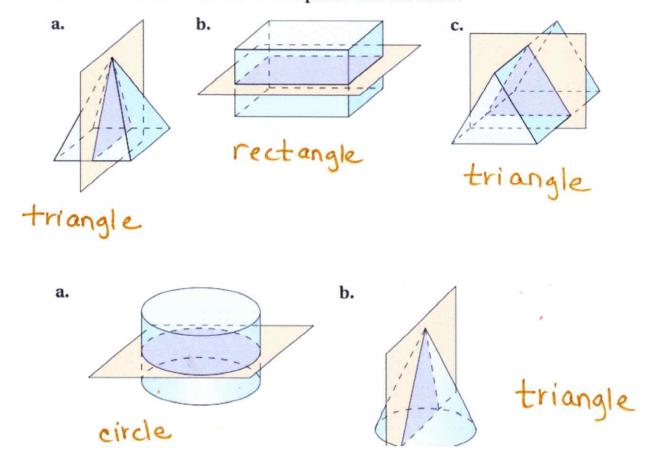
Use the following words to describe the cross-section:

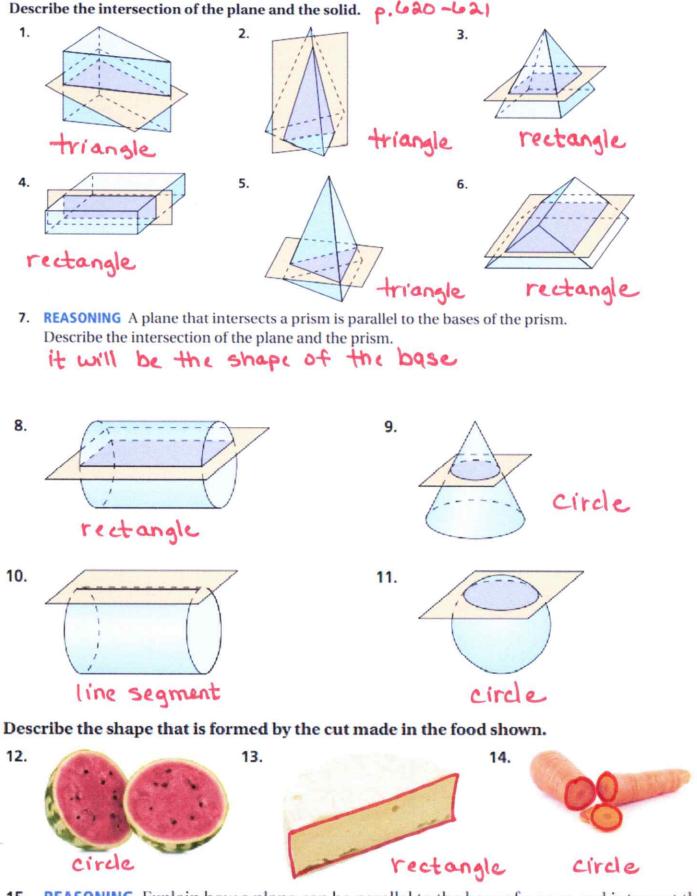
- Triangle
- Circle
- Rectangle
- Pentagon (5)
- hexagon (6)
- Line segment
- Point
- Vertex



Never use the word square; use the word rectangle instead.

Describe the intersection of the plane and the solid.





15. REASONING Explain how a plane can be parallel to the base of a cone and intersect the cone at exactly one point. The intersection occurs at the vertex of the cone