CROSS-SECTIONS

A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the two-dimensional shape that you get when you slice through a three-dimensional figure, the intersection of a plane and a solid.

A three-dimensional figure can have many different cross-sections. It all depends on the \_\_\_\_\_\_\_\_\_\_\_\_\_ or

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the slice.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: an oval figure

|  |  |  |  |
| --- | --- | --- | --- |
| **SOLID** | **parallel to base** | **perpendicular to base** | **at a slant to the base** |
| **rectangular prism** | A picture containing text, antenna  Description automatically generated  **cross section: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | A picture containing text, table  Description automatically generated  **cross section: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | A black and white drawing of a bridge  Description automatically generated with low confidence  **cross section: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **rectangular pyramid** | A picture containing radar chart  Description automatically generated  **cross section: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | goes through top vertex  A picture containing text, table, worktable  Description automatically generated  **cross section:**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  doesn’t go through top vertex  A picture containing text  Description automatically generated  **cross section: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | A black and white drawing of a basketball hoop  Description automatically generated with medium confidence  **cross section: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **cylinder** | A picture containing text, glass  Description automatically generated  **cross section: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | A picture containing device, container, glass, gauge  Description automatically generated  **cross section:**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | A picture containing athletic game, table  Description automatically generated  **cross section: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **cone** | A picture containing antenna  Description automatically generated  **cross section: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | goes through vertex  A black and white drawing of a tower  Description automatically generated with low confidence  **cross section:**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | A black and white drawing of a boat on a white background  Description automatically generated with low confidence  **cross section: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |

**Name the shape formed by each cross-section.**

|  |  |
| --- | --- |
| Shape, polygon  Description automatically generated | Diagram  Description automatically generated |
|  | Shape, polygon  Description automatically generated |