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## **Sliced Solids**

In the diagrams on this page, a plane slices through a solid figure. The intersection of the plane with the solid is called a *cross section*. The drawings for each problem show a sliced solid and the dimensions of the resulting cross section.

## Find the surface areas of the two solids that result from the slice. Use 3.14 for $\pi$ . Round to the nearest tenth if necessary.

- **1.** One fourth of the cube is sliced off the top.
- **2.** One third of the prism is sliced off the back.





**3.** The cube is sliced in half.



