

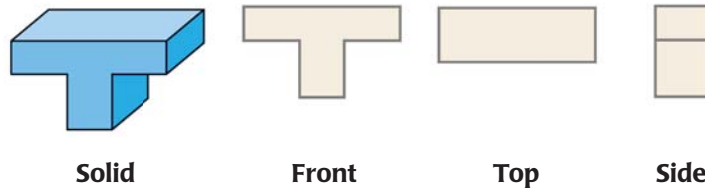
8 TAKS PREPARATION



TAKS Obj. 7
TEKS 8.7.A

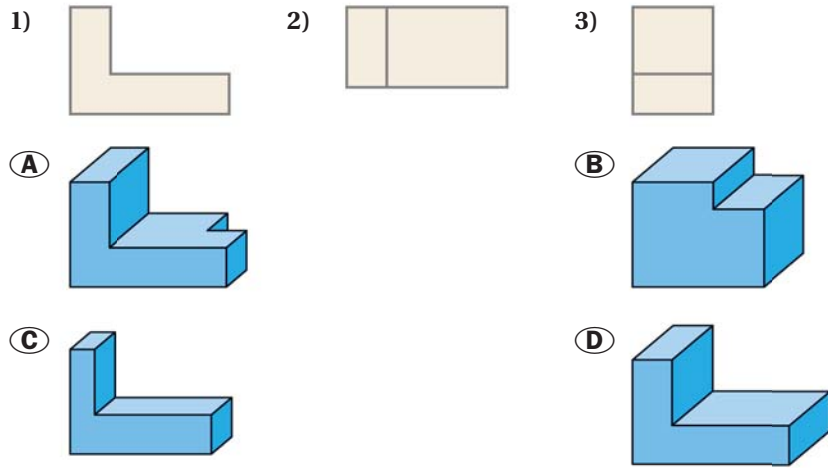
REVIEWING PROBLEMS INVOLVING VIEWS OF SOLIDS

Solids are typically shown in 3-dimensional sketches. Some problems, however, require the ability to recognize and visualize solids from different views, such as front, top, and side views.



EXAMPLE

Match the three views of this solid to its 3-dimensional sketch.



Solution

Compare each view given with the 3-dimensional sketches of the solids from the answer choices. If a view does not correspond to the solid, you can eliminate that answer choice.

- **Analyze view 1.** Viewed directly from the front, the 3-dimensional sketches of solids A and D match view 1. The 3-dimensional sketches of solids B and C do not match view 1 from any perspective, so they can be eliminated.
- **Analyze view 2.** Viewed from the top, only the 3-dimensional sketch of solid D matches view 2. The 3-dimensional sketch of solid A does not match view 2 from any perspective, so it can be eliminated.
- **Analyze view 3.** Viewed from the side, only the 3-dimensional sketch of solid D matches view 3. D is the only correct answer.

▶ The three views are of solid D.