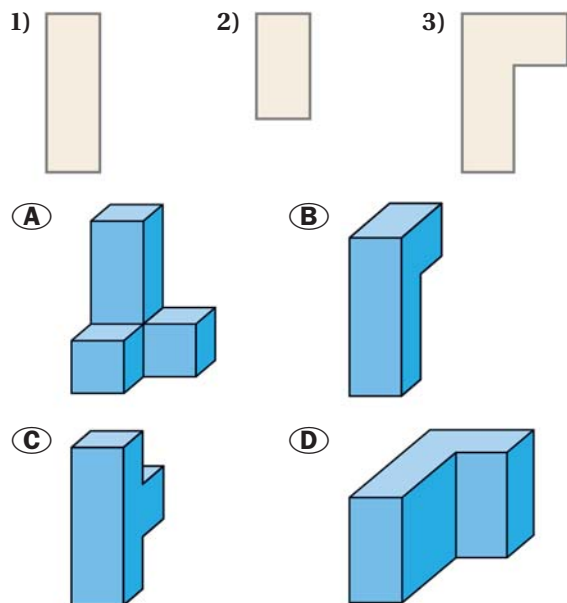# PROBLEMS INVOLVING VIEWS OF SOLIDS ON TAKS

Below are examples of problems involving views of solids in multiple choice format. Try solving the problems before looking at the solutions. (Cover the solutions with a piece of paper.) Then check your solutions against the ones given.

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

1) 2) 3)

Ⓐ Ⓑ

Ⓒ Ⓓ

Solution

Viewed directly from the front, the 3-dimensional sketches of solids B and C match view 1, so choices A and D can be eliminated. Viewed from the top, only the 3-dimensional sketch of solid B matches view 2, so choice C can be eliminated. View 3 is the side view of the 3-dimensional sketch of solid B, so all three views are of this solid.

The correct answer is B.

Ⓐ   Ⓑ   Ⓒ   Ⓓ

2. The drawing shows a 3-dimensional solid. Which best represents the view from the top?

Ⓕ Hexagon

Ⓖ Octagon

Ⓗ Pentagon

Ⓙ Septagon

Solution

The view from the top would be a 6-sided figure, or a hexagon.

The correct answer is F.

Ⓕ   Ⓖ   Ⓗ   Ⓙ