

**CHAPTER** **Project Recording Sheet**  
**6** **Perimeter, Area, and Volume**

**Mystery Solids**

There are many opportunities to identify three-dimensional objects by looking at their surfaces. Have you ever been able to recognize a bird, a car, a tool or even a person by seeing the shadow? What are the aspects of the object that make recognition possible? Use this worksheet to enhance your skills.

Here are four more mystery geometric solids. Figure out what they are and check your decisions by using an overhead projector, flashlight or other light source to produce shadows of the surfaces.

Mystery Solid	Front View	Side View	Top View
	Triangle	Triangle	Square
	Square	Square	Square
	Rectangle	Rectangle	Triangle
	Rectangle	Rectangle	Rectangle

Create some mystery solids. Draw the various surface views. Exchange your mystery solids with classmates. Check your answers with the light sources when possible.

Mystery Solid	Front View	Side View	Top View

Make some shadow drawings of common objects. Take turns identifying the objects with your classmates.

Shadow	Mystery Object