

# Chapter 6 Practice Test

## Student Text Pages

348–349

## Suggested Timing

40–80 min

## Tools

- square dot paper
- isometric dot paper

## Related Resources

BLM 6-17 Chapter 6 Practice Test  
BLM 6-18 Chapter 6 Test  
BLM G-4 Square Dot Paper  
BLM G-5 Isometric Dot Paper

## Study Guide

Use this Study Guide to direct students who have difficulty with specific questions to appropriate examples to review.

Question	Section(s)	Refer to
1	6.1	Investigate 1 (pages 296–297)
2	6.1	Investigate 2 (pages 297–298)
3	6.2	Example 1 (pages 310–311)
4	6.2	Example 1 (pages 310–311)
5	6.3	Investigate 1 (pages 318–319)
6	6.3	Investigate 2 (page 319)
7	6.2	Example 1 (pages 310–311)
8	6.4	Example 1 (pages 327–328)
9	6.5	Example 2 (pages 337–339)

## Teaching Suggestions

Distribute copies of **BLM G-4 Square Dot Paper** and **BLM G-5 Isometric Dot Paper**.

The Practice Test can be assigned as an in-class or take-home assignment. If it is used as an assessment, use the following guidelines to help you evaluate the students.

Can students do each of the following?

- identify when a golden ratio is being used in a design
- select which polygons can be used to tile the plane, and which cannot, based on angle measurements
- use a picture, description, or scale model of an object to create orthographic drawings
- select and apply suitable scale factors to create a two-dimensional net that can be folded to make a three-dimensional model
- sketch isometric perspective drawings for a given object or model
- use an isometric perspective drawing to generate orthographic drawings for a given object
- design a structure or package to match given constraints, along with a net that can be used to construct a scale model

## Summative Assessment

- After students complete **BLM 6-17 Chapter 6 Practice Test**, you may wish to use **BLM 6-18 Chapter 6 Test** as a summative assessment.