

# Chapter 7 Practice Test

## Student Text Pages

416–417

## Suggested Timing

40–80 min

## Tools

- grid paper
- graphing calculators

## Related Resources

BLM 7-14 Chapter 7 Practice Test

BLM 7-15 Chapter 7 Test

BLM G-1 Grid Paper

## Accommodations

**Motor**—allow extra time to complete the Practice Test and/or a scribe to assist with recording answers

**Spatial**—give students a sheet to complete in which some additional scaffolding is included and space is provided for their written responses

## 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	7.3	Investigate 1 (pages 372–373)
2	7.1 7.2	Example 1 (page 358) Examples 1, 2 (page 365)
3	7.4	Example 1 (pages 383–384)
4	7.1	Example 2 (pages 358–359)
5	7.4	Example 1 (pages 383–384)
6	7.5	Investigate 1 (pages 395–397)
7	7.5 7.6	Example 2 (pages 399–400) Example 2 (page 409)

## Teaching Suggestions

The Chapter 7 Practice Test can be assigned as an in-class or take-home assignment. You may wish to have students use **BLM G-1 Grid Paper**. If the Chapter 7 Practice Test is used as an assessment, use these guidelines to help you evaluate the students.

Can students do each of the following?

- apply the exponent rules
- work with negative and zero exponents
- identify and discern between linear, quadratic, and exponential relationships
- plot exponential relations
- evaluate formulas involving exponents
- use exponential regression on a graphing calculator to find the equation of the exponential curve of best fit
  - solve problems that require analysing exponential growth and decay
  - solve problems involving doubling time and half-life

## Summative Assessment

- After students complete **BLM 7-14 Chapter 7 Practice Test**, you may wish to use **BLM 7-15 Chapter 7 Test** as a summative assessment.