

Chapter 4 Practice Test

Student Text Pages

258–259

Suggested Timing

80 min

Tools

- scientific calculators

Related Resources

BLM A-11 Group Work Assessment
Recording Sheet

BLM A-12 Group Work Assessment
General Scoring Rubric

BLM 4-12 Chapter 4 Practice Test

BLM 4-13 Chapter 4 Test

Accommodations

Memory—have students create their own summary sheet of Key Concepts and Examples from the chapter

ESL—have students work with a partner to assist with reading the questions. Have students review words in the chapter that they initially did not understand. Allow students to refer to their personal math dictionaries, if necessary.

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	4.5	Investigate (pages 244–245)
2	4.3	Example 1 (page 228)
3	4.3	Example 3 (page 229)
4	4.1	Example 3 (pages 202–203)
5	4.2	Example 1 (pages 216–217)
6	4.4	Investigate (pages 236–237)
7	4.4	Examples 1 to 4 (pages 237–238)

Teaching Suggestions

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 your students.

Can students do each of the following?

- recognize and interpret common statistical measures used in the media
- describe examples and uses of indices, and solve problems involving indices
- explain how the media use and misuse statistics
- describe and interpret types of bias
- assess the validity of claims found in the media by performing a critical analysis

As an alternative to the Chapter Test, have students work in pairs to critically analyse an article in a newspaper or on a Web site that misuses statistics.

Have students:

- describe and analyse how the statistics are misused
- provide possible reasons for why the author chose to misrepresent the data
- identify steps that would correct the misuse

Students could prepare a display of the information along with their conclusions. A carousel format can be used to compare each group's analysis with other groups in the class. Use **BLM A-12 Group Work Assessment General Scoring Rubric** to assist you in assessing your students. Students can use **BLM A-11 Group Work Assessment Recording Sheet** to assess their partners' performances.

Summative Assessment

- After students complete **BLM 4-12 Chapter 4 Practice Test**, you may wish to use **BLM 4-13 Chapter 4 Test** as a summative assessment.