Chapter 3 Practice Test

Student Text Pages
192–193

Suggested Timing
80 min

Tools
- graphing calculators
- computers with Internet access and spreadsheet software

Related Resources
BLM 3-13 Chapter 3 Practice Test
BLM 3-14 Chapter 3 Test

Accommodations

Memory—have students write a summary sheet of the terms on the Word Wall and the posted examples

Language— allow students to work with a partner to interpret word problems

ESL—have students work with a partner to assist with reading the questions. Allow students to refer to their personal math dictionaries, if necessary.

Motor—allow students to use technology to construct graphs

Perceptual—have students post or share answers in groups for questions that have more than one answer

Gifted and Enrichment—have students pose their own questions, conduct an experiment or survey to collect data, analyse the data using technology, and present their analysis to the class

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	3.4	Example 1 (pages 169–170)
2	3.1	Investigate and Example 1 (pages 142–144)
3	3.3	Investigate (pages 160–161)
4	3.2	Example 1 (page 154)
5	3.2	Investigate (pages 152–153)
6	3.4	Example 1 (pages 169–170)
7	3.3	Example 1 (pages 161–162)
8	3.5	Example 3 (page 185)
9	3.1 3.4	Example 1 (page 144) Example 2 (page 171)
10	3.5	Example 1 (pages 182–183)

Teaching Suggestions

The Practice Test can be assigned as an in-class or a 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?
- distinguish between one-variable and two-variable data sets
- identify the variables in a data set
- describe the characteristics of an effective survey
- design a non-biased survey
- collect two-variable data from primary and secondary sources
- create a scatter plot by hand and using technology
- use technology to find the line of best fit by regression analysis
- assess the correlation coefficient to analyse how well the line of best fit aligns with the data
- determine whether a cause and effect relationship exists and describe the relationship
- make conclusions from the analysis of two-variable data, and judge the reasonableness of the conclusions

Summative Assessment

- After students complete **BLM 3-13 Chapter 3 Practice Test**, you may wish to use **BLM 3-14 Chapter 3 Test** as a summative assessment.