

2 Statistics: Graphing Data



Chapter Pacing Guide

Please note that this pacing guide is based upon completing the entire text in 165 classes, approximately 50 minutes each. More time can be allotted for this chapter if you do not plan to teach the entire text.

<i>Day (Standard)</i>	<i>Day (Honors)</i>	<i>Lesson</i>	<i>Title</i>
1	1	*Chapter Project	Theme: Pets Pets Are (Hu)mans' Best Friends
2	2	2-1	Frequency Tables
3	3	2-2	Scales and Intervals
4	4	2-3	Bar Graphs and Line Graphs
5	5	2-3B	<small>THINKING LAB</small> Problem Solving Use a Graph
6	6	2-4	Reading Circle Graphs
7	7	2-5	Making Predictions
8	8	2-6	Stem-and-Leaf Plots
9 & 10	9 & 10	2-7	Mean, Median, Mode
		*2-7B	<small>HANDS-ON LAB</small> Cooperative Learning Box-and-Whisker Plots
11	11	2-8	Misleading Statistics
12	12	2-9	Integration: Geometry Graphing Ordered Pairs
13	13	Review: Study Guide and Assessment	
14	14	Assessment: Chapter Test	

* *Optional*

Chapter Resources

<p>Meeting Individual Needs <i>Investigations for the Special Education Student,</i> Commercial Success, pp. 3-5 <i>Spanish Study Guide and Assessment</i> <i>Study Guide and Practice Workbook</i></p>	<p>Technology <i>Electronic Teacher's Classroom</i> <i>Resources (ETCR)</i> www.glencoe.com/sec/math/mac/mathnet</p>
<p>Interactive Mathematics: Activities and Investigations Unit 8</p>	<p>Applications <i>Family Letters and Activities</i>, pp. 3-4 <i>Spanish Family Letters and Activities</i>, pp. 3-4</p>



Chapter Project (pp. 44-45)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Make tables and graphs from a survey.
- _____ Compare different survey results.
- _____ State/local objectives: _____

**South Carolina Math
Curriculum Standards**
Grade 6: DAP I.A.1., DAP III.A.1.

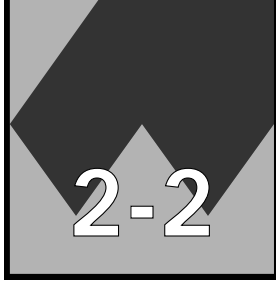
Theme: Pets

- _____ Chapter Project, *SE*, p. 45
- _____ Chapter 2 Notes, *TWE*, p. 44
- _____ Question of the Day, *TWE*, p. 44
- _____ ⇨ *Investigations and Projects Masters*, pp. 21-24

Homework Assignments

- _____ p. 49, Working on the Chapter Project, Exercise 10
- _____ p. 57, Working on the Chapter Project, Exercise 17
- _____ p. 81, Working on the Chapter Project, Exercise 15
- _____ p. 89, Completing the Chapter Project, Alternative Assessment

KEY *SE* = Student Edition *TWE* = Teacher's Wraparound Edition ⇨ = Other Program Components



Lesson Planning Guide (pp. 50-53)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Choose appropriate scales and intervals for frequency tables.
- _____ State/local objectives: _____

NCTM Standards: 1, 2, 5-10
South Carolina Math Curriculum Standards
Grade 6: DAP I.A.1., DAP I.B.1., DAP III.A.1.

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 50
- _____ ⇨ Transparency 2-2A
- _____ Motivating the Lesson, Communication, *TWE*, p. 50

2 TEACH

- _____ ⇨ Transparency 2-2B
- _____ Using the Mini-Lab, *TWE*, p. 51
- _____ ⇨ *Teacher's Guide, Overhead Manipulative Resources*, Mini-Lab for Lesson 2-2
- _____ In-Class Examples, *TWE*, p. 51
- _____ ⇨ *Study Guide Masters*, p. 9
- _____ Reteaching the Lesson, *TWE*, p. 52
- _____ Error Analysis, *TWE*, p. 52
- _____ ⇨ *CD-ROM Program*, Resource Lesson 2-2
- _____ ⇨ *Interactive Mathematics Tools Software*

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, pp. 51-52

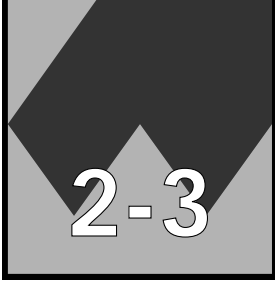
Homework Assignments (pp. 52-53)
_____ Core: 8, 10, 11, 13, 14, 16, 17, 19, 20-23
_____ Enriched: 9, 10, 12, 13, 15, 16, 17-23
_____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 560
- _____ ⇨ *Practice Masters*, p. 9
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 10

4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 53
- _____ Extending the Lesson, *TWE*, p. 53
- _____ ⇨ *Enrichment Masters*, p. 9

KEY	SE = Student Edition	TWE = Teacher's Wraparound Edition	⇨ = Other Program Components
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Lesson Planning Guide (pp. 54-57)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Construct bar graphs and line graphs.
- _____ State/local objectives: _____

NCTM Standards: 1, 2, 5-10
South Carolina Math Curriculum Standards Grade 6: DAP I.A.1., DAP I.B.1., DAP III.A.1.

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 54
- _____ ⇨ Transparency 2-3A
- _____ Motivating the Lesson, Communication, *TWE*, p. 54
- _____ Multiple Learning Styles, Visual/Spatial, *TWE*, p. 54

2 TEACH

- _____ ⇨ Transparency 2-3B
- _____ Reading Mathematics, *TWE*, p. 55
- _____ In-Class Examples, *TWE*, p. 55
- _____ ⇨ *Study Guide Masters*, p. 10
- _____ Reteaching the Lesson, *TWE*, p. 56
- _____ ⇨ *CD-ROM Program*, Resource Lesson 2-3, Interactive Lesson 2-3
- _____ ⇨ *Interactive Mathematics Tools Software*

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, pp. 55-56

Homework Assignments (pp. 56-57)

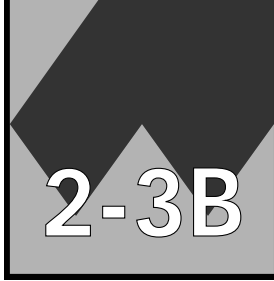
- _____ Core: 7-15 odd, 16, 18-21 _____ Enriched: 8-14 even, 16, 18-21
- _____ Optional: 17 (Working on the Chapter Project)
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 560
- _____ ⇨ *Practice Masters*, p. 10
- _____ ⇨ *Hands-On Lab Masters*, p. 70
- _____ ⇨ *Technology Masters*, Graphing Calculator Activity, p. 4
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 11

4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 57
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz A, p. 43
- _____ Extending the Lesson, *TWE*, p. 57
- _____ ⇨ *Enrichment Masters*, p. 10

KEY	SE = Student Edition	TWE = Teacher's Wraparound Edition	⇨ = Other Program Components
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Lesson Planning Guide (pp. 58-59)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Solve problems by using a graph.

NCTM Standards: 1, 5-10
South Carolina Math Curriculum Standards Grade 6: DAP I.B.1.

1 FOCUS

_____ Getting Started, *TWE*, p. 58

2 TEACH

_____ In-Class Examples, *TWE*, p. 58

_____ Reteaching the Lesson, *TWE*, p. 58

3 PRACTICE/APPLY

_____ Check for Understanding, *TWE*, p. 59

Homework Assignments (p. 59)

_____ All: 4-11

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 560

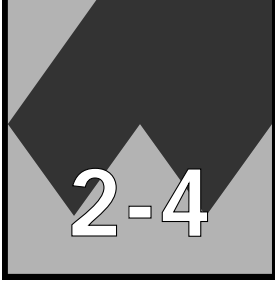
_____ Mixed Problem Solving, *SE*, pp. 593-594

4 ASSESS

_____ Closing Activity, Speaking, *TWE*, p. 59

_____ Extending the Lesson, *TWE*, p. 59

KEY SE = Student Edition TWE = Teacher's Wraparound Edition ⇔ = Other Program Components



Lesson Planning Guide (pp. 60-63)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Interpret circle graphs.
- _____ State/local objectives: _____

NCTM Standards: 1, 5-10
South Carolina Math Curriculum Standards Grade 6: MEA II.B.1., DAP I.B.1.

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 60
- _____ ⇨ Transparency 2-4A
- _____ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 60

2 TEACH

- _____ ⇨ Transparency 2-4B
- _____ Using the Mini-Lab, *TWE*, p. 61
- _____ ⇨ *Teacher's Guide, Overhead Manipulative Resources*, Mini-Lab for Lesson 2-4
- _____ Multiple Learning Styles, Intrapersonal, *TWE*, p. 60
- _____ In-Class Examples, *TWE*, p. 61
- _____ ⇨ *Study Guide Masters*, p. 11
- _____ Reteaching the Lesson, *TWE*, p. 62
- _____ ⇨ *CD-ROM Program*, Resource Lesson 2-4

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 62

Homework Assignments (pp. 62-63)

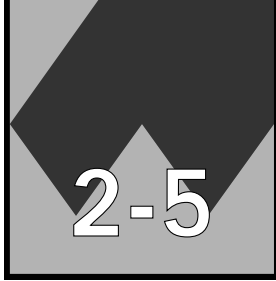
- | | |
|-----------------------------------|----------------------|
| _____ Core: 5-10 | _____ Enriched: 5-10 |
| _____ Alternate Assignment: _____ | |

- _____ Extra Practice, *SE*, p. 561
- _____ ⇨ *Practice Masters*, p. 11
- _____ ⇨ *Diversity Masters*, p. 2
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 12

4 ASSESS

- _____ Closing Activity, Speaking, *TWE*, p. 63
- _____ Extending the Lesson, *TWE*, p. 63
- _____ ⇨ *Enrichment Masters*, p. 11

KEY	SE = Student Edition	TWE = Teacher's Wraparound Edition	⇨ = Other Program Components
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Lesson Planning Guide (pp. 64-67)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Make predictions from line graphs.
- _____ State/local objectives: _____

NCTM Standards: 1, 2, 5-10
South Carolina Math Curriculum Standards
Grade 6: DAP I.B.1.

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 64
- _____ ⇨ Transparency 2-5B
- _____ Motivating the Lesson, Communication, *TWE*, p. 64

2 TEACH

- _____ ⇨ Transparency 2-5B
- _____ Thinking Algebraically, *TWE*, p. 65
- _____ In-Class Examples, *TWE*, p. 65
- _____ ⇨ *Study Guide Masters*, p. 12
- _____ Reteaching the Lesson, *TWE*, p. 65
- _____ ⇨ *CD-ROM Program*, Resource Lesson 2-5, Extended Activity 2-5

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 65

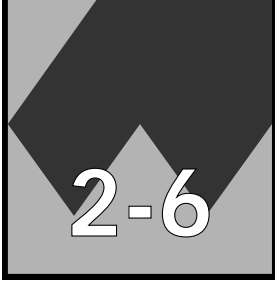
Homework Assignments (pp. 65-66)	
_____ Core: 4-9	_____ Enriched: 4-9
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 561
- _____ ⇨ *Practice Masters*, p. 12
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 13

4 ASSESS

- _____ Closing Activity, Writing, *TWE*, p. 67
- _____ ⇨ *Assessment and Evaluation Masters*, Mid-Chapter Test, p. 42
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz B, p. 43
- _____ Extending the Lesson, *TWE*, p. 67
- _____ ⇨ *Enrichment Masters*, p. 12
- _____ Mid-Chapter Self Test, *SE*, p. 67

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Lesson Planning Guide (pp. 68-70)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Construct stem-and-leaf plots.
- _____ State/local objectives: _____

NCTM Standards: 1, 2, 5-10
South Carolina Math Curriculum Standards
Grade 6: DAP I.B.1., DAP II.B.1., DAP II.B.2.

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 68
- _____ ⇨ Transparency 2-6A
- _____ Motivating the Lesson, Problem Solving, *TWE*, p. 68

2 TEACH

- _____ ⇨ Transparency 2-6B
- _____ Reading Mathematics, *TWE*, p. 68
- _____ In-Class Examples, *TWE*, p. 69
- _____ ⇨ *Study Guide Masters*, p. 13
- _____ Reteaching the Lesson, *TWE*, p. 69
- _____ ⇨ *CD-ROM Program*, Resource Lesson 2-6

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 69

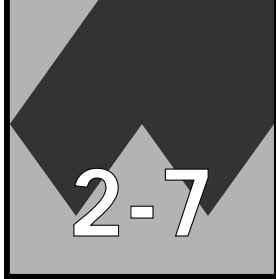
Homework Assignments (p. 70)	
_____ Core: 7-15 odd, 16-18	_____ Enriched: 8-12 even, 14-18
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 561
- _____ ⇨ *Practice Masters*, p. 13
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 14

4 ASSESS

- _____ Closing Activity, Speaking, *TWE*, p. 70
- _____ Extending the Lesson, *TWE*, p. 70
- _____ ⇨ *Enrichment Masters*, p. 13

KEY	SE = Student Edition	TWE = Teacher's Wraparound Edition	⇨ = Other Program Components
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Lesson Planning Guide (pp. 71-75)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Find the mean, median, mode, and range to describe a set of data.

_____ State/local objectives: _____

NCTM Standards: 1, 2, 5-10
South Carolina Math Curriculum Standards
Grade 6: DAP I.A.1., DAP II.A.1., DAP III.A.1.

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 71

_____ ⇨ Transparency 2-7A

_____ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 72

_____ Multiple Learning Styles, Interpersonal, *TWE*, p. 71

2 TEACH

_____ ⇨ Transparency 2-7B

_____ Using the Mini-Lab, *TWE*, p. 73

_____ ⇨ *Teacher's Guide, Overhead Manipulative Resources*, Mini-Lab for Lesson 2-7

_____ In-Class Examples, *TWE*, p. 72

_____ ⇨ *Study Guide Masters*, p. 14

_____ Reteaching the Lesson, *TWE*, p. 73

_____ Error Analysis, *TWE*, p. 73

_____ ⇨ *CD-ROM Program*, Resource Lesson 2-7

_____ ⇨ *Interactive Mathematics Tools Software*

3 PRACTICE/APPLY

_____ Check for Understanding, *SE*, pp. 73-74

Homework Assignments (p. 74)

_____ Core: 7-17 odd, 18-20

_____ Enriched: 8-14 even, 16-20

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 562

_____ Family Activity, *SE*, p. 74

_____ ⇨ *Practice Masters*, p. 14

_____ ⇨ *School to Career Masters*, p. 2

_____ ⇨ *Technology Masters*, Calculator Activity, p. 3

_____ ⇨ *Science and Mathematics Lab Manual*, pp. 5-8

_____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 15

4 ASSESS

_____ Let the Games Begin, *SE*, p. 75

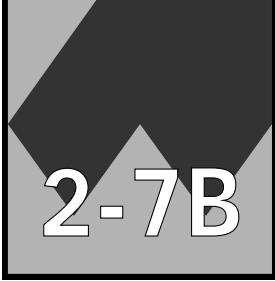
_____ Closing Activity, Writing, *TWE*, p. 74

_____ ⇨ *Assessment and Evaluation Masters*, Quiz C, p. 44

_____ Extending the Lesson, *TWE*, p. 74

_____ ⇨ *Enrichment Masters*, p. 14

KEY SE = Student Edition TWE = Teacher's Wraparound Edition ⇨ = Other Program Components



Lesson Planning Guide (pp. 76-77)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Display and summarize data in a box-and-whisker plot.
- _____ State/local objectives: _____

NCTM Standards: 1, 2, 5-10
South Carolina Math Curriculum Standards Grade 6: DAP I.B.1., DAP II.A.1.

MANAGEMENT

- _____ Getting Started, *TWE*, p. 76
- _____ ⇨ *Hands-On Lab Masters*, p. 16: number lines

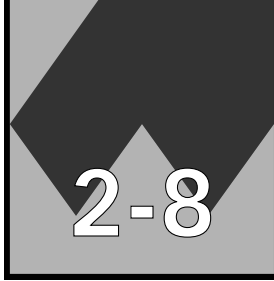
ASSESS

- _____ *TWE*, p. 77
- _____ ⇨ *Hands-On Lab Masters*, p. 40

Class Activity (p. 77)
_____ All: 1-3
_____ Alternate Assignment: _____

- _____ Math Journal, *TWE*, p. 77

KEY	SE = Student Edition	TWE = Teacher's Wraparound Edition	⇨ = Other Program Components
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Lesson Planning Guide (pp. 78-81)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Recognize when statistics and graphs are misleading.

_____ State/local objectives: _____

NCTM Standards: 1, 2, 5-10
South Carolina Math Curriculum Standards
Grade 6: DAP I.A.1., DAP I.B.1., DAP II.A.1., DAP III.A.1.

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 78

_____ ⇨ Transparency 2-8A

_____ Motivating the Lesson, Problem Solving, *TWE*, p. 78

2 TEACH

_____ ⇨ Transparency 2-8B

_____ Using Applications, *TWE*, p. 79

_____ In-Class Examples, *TWE*, p. 79

_____ ⇨ *Study Guide Masters*, p. 15

_____ Reteaching the Lesson, *TWE*, p. 79

_____ ⇨ *CD-ROM Program*, Resource Lesson 2-8

3 PRACTICE/APPLY

_____ Check for Understanding, *SE*, pp. 79-80

Homework Assignments (pp. 80-81)

_____ Core: 8, 9-13 odd, 16-19

_____ Enriched: 8-12 even, 13, 14, 16-19

_____ Optional: 15 (Working on the Chapter Project)

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 562

_____ ⇨ *Practice Masters*, p. 15

_____ ⇨ Classroom Games, pp. 3-4

_____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 16

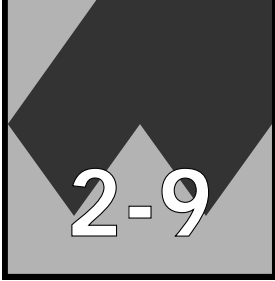
4 ASSESS

_____ Closing Activity, Speaking, *TWE*, p. 81

_____ Extending the Lesson, *TWE*, p. 81

_____ ⇨ *Enrichment Masters*, p. 15

KEY SE = Student Edition TWE = Teacher's Wraparound Edition ⇨ = Other Program Components



Lesson Planning Guide (pp. 82-85)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Use ordered pairs to locate points and organize data.
- _____ State/local objectives: _____

NCTM Standards: 1, 2, 5-10
South Carolina Math Curriculum Standards
Grade 6: DAP II.A.1.

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 82
- _____ ⇨ Transparency 2-9A
- _____ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 82

2 TEACH


- _____ ⇨ Transparency 2-9B
- _____ Reading Mathematics, *TWE*, p. 83
- _____ In-Class Examples, *TWE*, p. 83
- _____ ⇨ *Study Guide Masters*, p. 16
- _____ Reteaching the Lesson, *TWE*, p. 84
- _____ Error Analysis, *TWE*, p. 84
- _____ ⇨ *CD-ROM Program*, Resource Lesson 2-9

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 84

Homework Assignments (pp. 84-85)

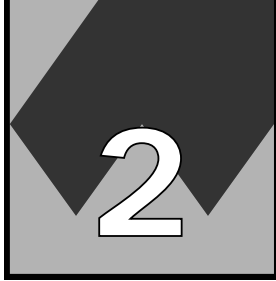
- _____ Core: 11-31 odd, 33-37 _____ Enriched: 12-30 even, 31-37
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 562
- _____ ⇨ *Practice Masters*, p. 16
- _____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 17

4 ASSESS

- _____ Closing Activity, Writing, *TWE*, p. 85
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz D, p. 44
- _____ Extending the Lesson, *TWE*, p. 85
- _____ ⇨ *Enrichment Masters*, p. 16

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Review and Assessment (pp. 86-91)



Teacher's Name _____ Dates _____

Grade _____ Class _____
Review M Tu W Th F
Testing M Tu W Th F

- _____ Study Guide and Assessment, *SE*, pp. 86-89
- _____ Standardized Test Practice, *SE*, pp. 90-91
- _____ Chapter Test, *SE*, p. 596



⇨ Assessment and Evaluation Masters (pp. 29-47)

Multiple-Choice Tests

- _____ Form 1A, 1B, or 1C, pp. 29-34
- _____ Standardized Test Practice, pp. 45-46

Free-Response Tests

- _____ 2A, 2B, or 2C, pp. 35-40
- _____ Performance Assessment, p. 41
- _____ Cumulative Review, p. 47

- _____ ⇨ *MindJogger Videoquizzes*, Chapter 2
- _____ ⇨ *Test and Review Software*
- _____ ⇨ *CD-ROM Assessment Game*
- _____ ⇨ *State Test Preparation CD-ROM*
- _____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 18
- _____ ⇨  *South Carolina PACT Workbook and Test Preparation, Grade 6*

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