

5 Algebra: Using Integers



Chapter Pacing Guide

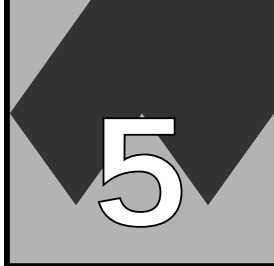
Please note that this pacing guide is based upon completing the entire text in 165 classes, approximately 50 minutes each. More time can be allotted for this chapter if you do not plan to teach the entire text.

Day (Standard)	Day (Honors)	Lesson	Title
1	1	*Chapter Project	Theme: Meteorology Latitude vs. Temperature
2	2	5-1	Integers
3	3	5-2	Comparing and Ordering Integers
4	4 & 5	5-3	Integration: Geometry The Coordinate System
		*5-3B	TECHNOLOGY LAB Graphing Calculators Graphing Points
5 & 6		*5-4A	HANDS-ON LAB Cooperative Learning Adding Integers
	6	5-4	Adding Integers
7 & 8		*5-5A	HANDS-ON LAB Cooperative Learning Subtracting Integers
	7	5-5	Subtracting Integers
9 & 10		*5-6A	HANDS-ON LAB Cooperative Learning Multiplying Integers
	8	5-6	Multiplying Integers
11	9	5-7A	THINKING LAB Problem Solving Look for a Pattern
12	10	5-7	Dividing Integers
13	11	5-8	Integration: Geometry Graphing Transformations
14	12	Review: Study Guide and Assessment	
15	3	Assessment: Chapter Test	

*Optional

Chapter Resources

<p>Meeting Individual Needs <i>Investigations for the Special Education Student</i>, The Check's in the Mail, pp. 9-12 <i>Spanish Study Guide and Assessment</i> <i>Study Guide and Practice Workbook</i></p>	<p>Technology <i>Electronic Teacher's Classroom Resources (ETCR)</i> www.glencoe.com/sec/math/mac/mathnet</p>
<p>Interactive Mathematics: Activities and Investigations Units 1 and 11</p>	<p>Applications <i>Family Letters and Activities</i>, pp. 35-36 <i>Spanish Family Letters and Activities</i>, pp. 35-36</p>



Chapter Project (pp. 182-183)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Use integers to compare highest and lowest temperatures.
- _____ Determine whether there is a relationship between latitude and temperature.

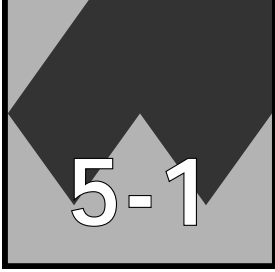
Theme: Meteorology

- _____ Chapter Project, *SE*, p. 183
- _____ Chapter 5 Notes, *TWE*, p. 182
- _____ Question of the Day, *TWE*, p. 182
- _____ ⇔ *Investigations and Projects Masters*, pp. 33-36

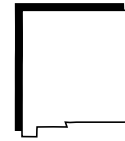
Homework Assignments

- _____ p. 190, Working on the Chapter Project, Exercise 25
- _____ p. 194, Working on the Chapter Project, Exercise 33
- _____ p. 205, Working on the Chapter Project, Exercise 45
- _____ p. 221, Completing the Chapter Project, Alternative Assessment

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



Lesson Planning Guide (pp. 184-187)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Read and write integers, and find the opposite and absolute value of an integer.

NCTM Standards: 1-6
New Mexico Mathematics Performance Standards Grades 5-8: 5-A-1, 5-B-1, 6-A-1, 6-B-1

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 184
- _____ ⇨ Transparency 5-1A
- _____ Motivating the Lesson, Problem Solving, *TWE*, p. 184
- _____ Cross-Curriculum Cue, *TWE*, p. 184

2 TEACH

- _____ ⇨ Transparency 5-1B
- _____ Using Applications, *TWE*, p. 185
- _____ In-Class Examples, *TWE*, p. 185
- _____ ⇨ *Study Guide Masters*, p. 34
- _____ Reteaching the Lesson, *TWE*, p. 185
- _____ ⇨ *CD-ROM Program*, Resource Lesson 5-1
- _____ ⇨ *Interactive Mathematics Tools Software*

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 185

Homework Assignments (p. 186)

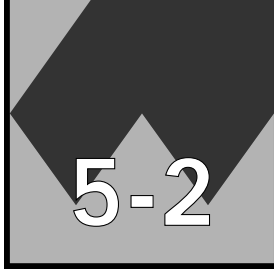
_____ Core: 11-33 odd, 34-38 _____ Enriched: 12-30 even, 31-38
 _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 580
- _____ ⇨ *Practice Masters*, p. 34
- _____ School to Career Activity, *SE*, p. 187

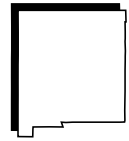
4 ASSESS

- _____ Closing Activity, Speaking, *TWE*, p. 186
- _____ Extending the Lesson, *TWE*, p. 186
- _____ ⇨ *Enrichment Masters*, p. 34

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



Lesson Planning Guide (pp. 188-190)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Compare and order integers.

NCTM Standards: 1-6
New Mexico Mathematics Performance Standards Grades 5-8: 4-A-1, 6-B-1

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 188
- _____ ⇨ Transparency 5-2A
- _____ Motivating the Lesson, Problem Solving, *TWE*, p. 188
- _____ Multiple Learning Styles, Auditory/Musical, *TWE*, p. 188

2 TEACH

- _____ ⇨ Transparency 5-2B
- _____ Reading Mathematics, *TWE*, p. 188
- _____ In-Class Examples, *TWE*, p. 189
- _____ ⇨ *Study Guide Masters*, p. 35
- _____ Reteaching the Lesson, *TWE*, p. 189
- _____ Error Analysis, *TWE*, p. 189
- _____ ⇨ *CD-ROM Program*, Resource Lesson 5-2

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 189

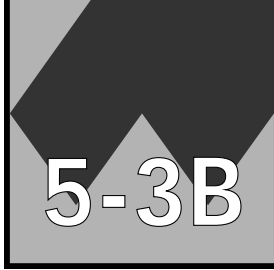
Homework Assignments (pp. 189-190)	
_____ Core: 9-23 odd, 26-29	_____ Enriched: 8-20 even, 21-24, 26-29
_____ Optional: 25 (Working on the Chapter Project)	
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 580
- _____ ⇨ *Practice Masters*, p. 35
- _____ ⇨ *School to Career Masters*, p. 18

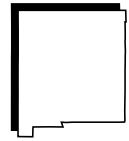
4 ASSESS

- _____ Closing Activity, Speaking, *TWE*, p. 190
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz A, p. 127
- _____ Extending the Lesson, *TWE*, p. 190
- _____ ⇨ *Enrichment Masters*, p. 35

KEY	<i>SE</i> = Student Edition	<i>TWE</i> = Teacher's Wraparound Edition	⇨ = Other Program Components
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Lesson Planning Guide (p. 195)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Graph points on a graphing calculator.

MANAGEMENT

_____ Getting Started, *TWE*, p. 195

_____ ⇨ *Teacher's Guide for Overhead Manipulative Resources*,
Lesson 5-3B

ASSESS

_____ *TWE*, p. 195

NCTM Standards:
New Mexico Mathematics Performance Standards Grades 5-8: 1-E-1, 2-C-1, 2-D-1, 2-D-2, 5-B-1, 5-D-1

Class Activity (p. 195)

_____ All: 1-4

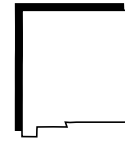
_____ Alternate Assignment: _____

_____ Math Journal, *TWE*, p. 195

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



Lesson Planning Guide (p. 196)



Teacher's Name _____ Dates _____
Grade _____ Class _____ M Tu W Th F

Objectives

_____ Add integers by using models.

MANAGEMENT

_____ Getting Started, *TWE*, p. 196

_____ ⇨ *Teacher's Guide for Overhead Manipulative Resources*,
Lesson 5-4A

NCTM Standards:

1-6

New Mexico Mathematics Performance Standards

Grades 5-8:

6-C-1

ASSESS

_____ *TWE*, p. 196

Class Activity (p. 196)

_____ All: 1-5

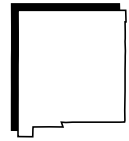
_____ Alternate Assignment: _____

_____ Math Journal, *TWE*, p. 196

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



Lesson Planning Guide (pp. 197-200)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Add integers.

NCTM Standards: 1-7, 9
New Mexico Mathematics Performance Standards Grades 5-8: 6-C-1

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 197
- _____ ⇨ Transparency 5-4A
- _____ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 197

2 TEACH

- _____ ⇨ Transparency 5-4B
- _____ Using Discussion, *TWE*, p. 198
- _____ In-Class Examples, *TWE*, pp. 198-199
- _____ ⇨ *Study Guide Masters*, p. 37
- _____ Let the Games Begin, *SE*, p. 198
- _____ Reteaching the Lesson, *TWE*, p. 199
- _____ Error Analysis, *TWE*, p. 199
- _____ ⇨ *CD-ROM Program*, Resource Lesson 5-4, Interactive Lesson 5-4
- _____ ⇨ *Interactive Mathematics Tools Software*

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 199

Homework Assignments (p. 200)	
_____ Core: 15-43 odd, 45-50	_____ Enriched: 14-42 even, 43-50
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 581
- _____ ⇨ *Practice Masters*, p. 37
- _____ ⇨ *Technology Masters*, Calculator Activity, p. 35

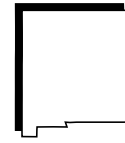
4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 200
- _____ ⇨ *Assessment and Evaluation Masters*, Mid-Chapter Test, p. 126
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz B, p. 127
- _____ Extending the Lesson, *TWE*, p. 200
- _____ ⇨ *Enrichment Masters*, p. 37

KEY	<i>SE</i> = Student Edition	<i>TWE</i> = Teacher's Wraparound Edition	⇨ = Other Program Components
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Lesson Planning Guide (p. 201)



Teacher's Name _____ Dates _____
Grade _____ Class _____ M Tu W Th F

Objectives

_____ Subtract integers by using models.

NCTM Standards:
1-6

MANAGEMENT

_____ Getting Started, *TWE*, p. 201

_____ ⇨ *Hands-On Lab Masters*, p. 6: counters, p. 8: integer mat

_____ ⇨ *Teacher's Guide for Overhead Manipulative Resources*, Lesson 5-5A

_____ ⇨ *Overhead Manipulative Resources*: counters, integer mat

**New Mexico Mathematics
Performance Standards
Grades 5-8:
6-C-1**

ASSESS

_____ *TWE*, p. 201

_____ ⇨ *Hands-On Lab Masters*, p. 47

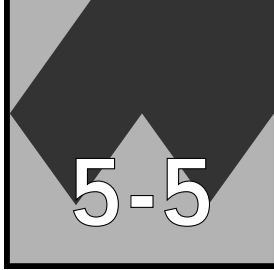
Class Activity (p. 201)

_____ All: 1-6

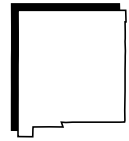
_____ Alternate Assignment: _____

_____ Math Journal, *TWE*, p. 201

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Lesson Planning Guide (pp. 202-205)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Subtract integers.

NCTM Standards: 1-7, 9
New Mexico Mathematics Performance Standards Grades 5-8: 6-C-1

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 202
- _____ ⇨ Transparency 5-5A
- _____ Motivating the Lesson, Communication, *TWE*, p. 202
- _____ Multiple Learning Styles, Interpersonal, *TWE*, p. 202

2 TEACH

- _____ ⇨ Transparency 5-5B
- _____ Thinking Algebraically, *TWE*, p. 203
- _____ In-Class Examples, *TWE*, p. 203
- _____ ⇨ *Study Guide Masters*, p. 38
- _____ Reteaching the Lesson, *TWE*, p. 203
- _____ ⇨ *CD-ROM Program*, Resource Lesson 5-5, Interactive Lesson 5-5
- _____ ⇨ *Interactive Mathematics Tools Software*

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, pp. 203-204

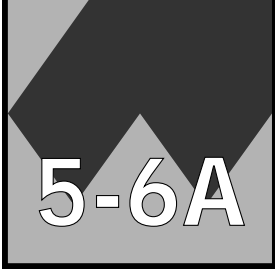
Homework Assignments (pp. 204-205)	
_____ Core: 15-43 odd, 46-51	_____ Enriched: 14-42 even, 43-44, 46-51
_____ Optional: 45 (Working on the Chapter Project)	
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 581
- _____ ⇨ *Practice Masters*, p. 38
- _____ ⇨ *Classroom Games*, pp. 13-15

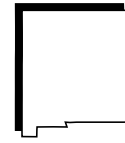
4 ASSESS

- _____ Closing Activity, Writing, *TWE*, p. 204
- _____ Extending the Lesson, *TWE*, p. 205
- _____ ⇨ *Enrichment Masters*, p. 38
- _____ Mid-Chapter Self Test, *SE*, p. 205

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Lesson Planning Guide (p. 206)



Teacher's Name _____ Dates _____
Grade _____ Class _____ M Tu W Th F

Objectives

_____ Multiply integers by using models.

NCTM Standards: 1-6
New Mexico Mathematics Performance Standards Grades 5-8: 6-C-1

MANAGEMENT

_____ Getting Started, *TWE*, p. 206

_____ ⇨ *Hands-On Lab Masters*, p. 6: integer counters, p. 8:
integer mat

_____ ⇨ *Teacher's Guide for Overhead Manipulative Resources*, Lesson 5-6A

_____ ⇨ *Overhead Manipulative Resources*: counters, integer mat

ASSESS

_____ *TWE*, p. 206

_____ ⇨ *Hands-On Lab Masters*, p. 48

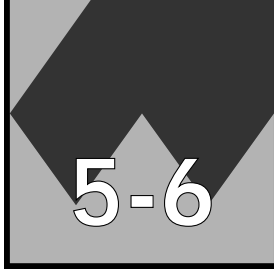
Class Activity (p. 206)

_____ All: 1-7

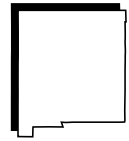
_____ Alternate Assignment: _____

_____ Math Journal, *TWE*, p. 206

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



Lesson Planning Guide (pp. 207-209)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Multiply integers.

NCTM Standards: 1-9
New Mexico Mathematics Performance Standards Grades 5-8: 7-A-1

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 207
- _____ ⇨ Transparency 5-6A
- _____ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 207

2 TEACH

- _____ ⇨ Transparency 5-6B
- _____ Mastering Basic Skills, *TWE*, p. 207
- _____ In-Class Examples, *TWE*, p. 208
- _____ ⇨ *Study Guide Masters*, p. 39
- _____ Reteaching the Lesson, *TWE*, p. 208
- _____ Error Analysis, *TWE*, p. 208
- _____ ⇨ *CD-ROM Program*, Resource Lesson 5-6, Interactive Lesson 5-6

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, pp. 208-209

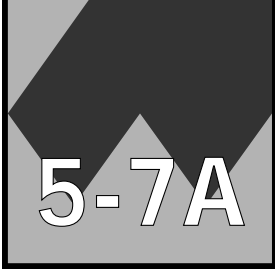
Homework Assignments (p. 209)	
_____ Core: 15-37 odd, 39-44	_____ Enriched: 14-36 even, 37-44
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 582
- _____ ⇨ *Practice Masters*, p. 39
- _____ ⇨ *Science and Mathematics Lab Manual*, pp. 89-92

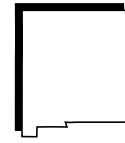
4 ASSESS

- _____ Closing Activity, Writing, *TWE*, p. 209
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz C, p. 128
- _____ Extending the Lesson, *TWE*, p. 209
- _____ ⇨ *Enrichment Masters*, p. 39

KEY	<i>SE</i> = Student Edition	<i>TWE</i> = Teacher's Wraparound Edition	⇨ = Other Program Components
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Lesson Planning Guide (pp. 210-211)



Teacher's Name _____ Dates _____
Grade _____ Class _____ M Tu W Th F

Objectives

_____ Solve problems by using the look-for-a-pattern strategy.

1 FOCUS

_____ Getting Started, *TWE*, p. 210

2 TEACH

_____ In-Class Examples, *TWE*, p. 210

_____ Reteaching the Lesson, *TWE*, p. 210

3 PRACTICE/APPLY

_____ Check for Understanding, *TWE*, p. 211

NCTM Standards: 1-5, 7, 8
New Mexico Mathematics Performance Standards Grades 5-8: 4-B-1, 7-B-1, 13-B-1

Homework Assignments (p. 211)

_____ All: 4-12

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 582

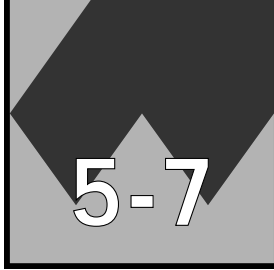
_____ Mixed Problem Solving, *SE*, pp. 605-606

4 ASSESS

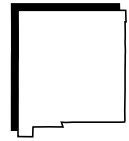
_____ Closing Activity, Writing, *TWE*, p. 211

_____ Extending the Lesson, *TWE*, p. 211

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



Lesson Planning Guide (pp. 212-214)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Divide integers.

NCTM Standards: 1-7, 9, 10
New Mexico Mathematics Performance Standards Grades 5-8: 6-C-1

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 212
- _____ ⇨ Transparency 5-7A
- _____ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 212

2 TEACH

- _____ ⇨ Transparency 5-7B
- _____ Mastering Basic Skills, *TWE*, p. 213
- _____ In-Class Examples, *TWE*, p. 213
- _____ ⇨ *Study Guide Masters*, p. 40
- _____ Reteaching the Lesson, *TWE*, p. 213
- _____ ⇨ *CD-ROM Program*, Resource Lesson 5-7

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 213

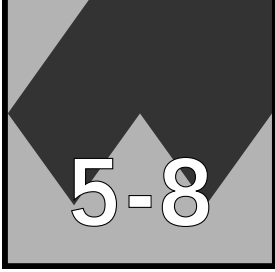
Homework Assignments (pp. 213-214)	
_____ Core: 13-37 odd, 39-44	_____ Enriched: 14-36 even, 37-44
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 582
- _____ ⇨ *Practice Masters*, p. 40
- _____ ⇨ *Technology Masters*, Graphing Calculator Activity, p. 36
- _____ ⇨ *Diversity Masters*, p. 18

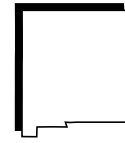
4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 214
- _____ Extending the Lesson, *TWE*, p. 214
- _____ ⇨ *Enrichment Masters*, p. 40

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Lesson Planning Guide (pp. 215-217)



Teacher's Name _____ Dates _____
Grade _____ Class _____ M Tu W Th F

Objectives

_____ Graph transformations on a coordinate plane.

NCTM Standards: 1-5, 7, 8, 12
New Mexico Mathematics Performance Standards Grades 5-8: 2-A-3, 4-A-2, 7-E-3, 8-B-1, 8-C-1, 8-F-1, 9-C-2

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 215
- _____ ⇨ Transparency 5-8A
- _____ Motivating the Lesson, Communication, *TWE*, p. 215

2 TEACH

- _____ ⇨ Transparency 5-8B
- _____ Reading Mathematics, *TWE*, p. 215
- _____ In-Class Examples, *TWE*, p. 216
- _____ ⇨ *Study Guide Masters*, p. 41
- _____ Reteaching the Lesson, *TWE*, p. 216
- _____ Family Activity, *SE*, p. 217
- _____ ⇨ *CD-ROM Program*, Resource Lesson 5-8, Interactive Lesson 5-8

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 216

Homework Assignments (p. 217)	
_____ Core: 9-17 odd, 19-22	_____ Enriched: 8-16 even, 17-22
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 583
- _____ ⇨ *Practice Masters*, p. 41

4 ASSESS

- _____ Closing Activity, Speaking, *TWE*, p. 217
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz D, p. 128
- _____ Extending the Lesson, *TWE*, p. 217
- _____ ⇨ *Enrichment Masters*, p. 41

KEY	SE = Student Edition	TWE = Teacher's Wraparound Edition	⇨ = Other Program Components
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Review and Assessment (pp. 218-223)



Teacher's Name _____ Dates _____

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

_____ Study Guide and Assessment, *SE*, pp. 218-221

_____ Standardized Test Practice, *SE*, pp. 222-223

_____ Chapter Test, *SE*, p. 611

⇔ **Assessment and Evaluation Masters (pp. 113-131)**

Multiple-Choice Tests

_____ Form 1A, 1B, or 1C, pp. 113-118

_____ Standardized Test Practice, pp. 129-130

Free-Response Tests

_____ Form 2A, 2B, or 2C, pp. 119-124

_____ Performance Assessment, p. 125

_____ Cumulative Review, p. 131

_____ ⇔ *MindJogger Videoquizzes*, Chapter 5

_____ ⇔ *Test and Review Software*

_____ ⇔ *CD-ROM Assessment Game*

_____ ⇔ *State Test Preparation CD-ROM*

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