

# 2 Algebra: Using Integers



## Chapter Pacing Guide

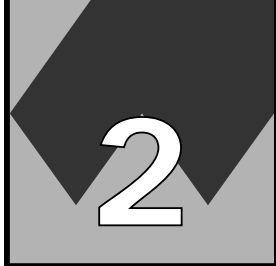
Please note that this pacing guide is based upon completing the entire text in 165 classes, approximately 50 minutes each. More time can be allotted for this chapter if you do not plan to teach the entire text.

Day (Standard)	Day (Honors)	Lesson	Title
1	1	*Chapter Project	Theme: Endangered Species Where The Wild Things Are
2		2-1	Integers and Absolute Value
3	2	2-2	Comparing and Ordering Integers
4	3	2-3	Adding Integers
5	4	2-4	More About Adding Integers
6	5	2-5	Subtracting Integers
7	6 & 7	2-6	Integration: Statistics Matrices
		*2-6B	<small>TECHNOLOGY LAB</small> Graphing Calculators Matrices
8	8	2-7	Multiplying Integers
9	9	2-8	Dividing Integers
10 & 11		*2-9A	<small>HANDS-ON LAB</small> Cooperative Learning Solving Equations
	10	2-9	Solving Equations
12	11	2-9B	<small>THINKING LAB</small> Problem Solving Eliminate Possibilities
13	12	2-10	Integration: Geometry The Coordinate System
14	13	Review: Study Guide and Assessment	
15	14	Assessment: Chapter Test	

\* Optional

## Chapter Resources

<p><b>Meeting Individual Needs</b>  <i>Investigations for the Special Education Student, The Check's in the Mail</i>, pp. 9-12  <i>Spanish Study Guide and Assessment Study Guide and Practice Workbook</i></p>	<p><b>Technology</b>  <i>Electronic Teacher's Classroom Resources (ETCR)</i>  <a href="http://www.glencoe.com/sec/math/mac/mathnet">www.glencoe.com/sec/math/mac/mathnet</a></p>
<p><b>Interactive Mathematics: Activities and Investigations</b>            Units 6 and 11</p>	<p><b>Applications</b>  <i>Family Letters and Activities</i>, pp. 55-56  <i>Spanish Family Letters and Activities</i>, pp. 55-56</p>



# Chapter Project (pp. 54-55)



Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

## Objectives

- \_\_\_\_\_ Use the library, CD-ROMs, and websites to research animal populations.
- \_\_\_\_\_ Use spreadsheets to organize information.
- \_\_\_\_\_ Understand how animal populations fluctuate and how these fluctuations can indicate trends.

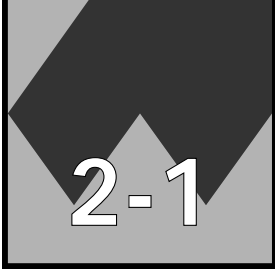
## Theme: *Endangered Species*

- \_\_\_\_\_ Chapter Project, *SE*, p. 55
- \_\_\_\_\_ Chapter 2 Notes, *TWE*, p. 54
- \_\_\_\_\_ Question of the Day, *TWE*, p. 54
- \_\_\_\_\_ ⇔ *Investigations and Projects Masters*, pp. 21-24

### *Homework Assignments*

- \_\_\_\_\_ p. 65, Working on the Chapter Project, Exercise 38
- \_\_\_\_\_ p. 83, Working on the Chapter Project, Exercise 44
- \_\_\_\_\_ p. 95, Working on the Chapter Project, Exercise 48
- \_\_\_\_\_ p. 99, Completing the Chapter Project, Alternative Assessment

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



# Lesson Planning Guide (pp. 56-58)



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

## Objectives

\_\_\_\_\_ Graph integers on a number line and find absolute value.

<b>NCTM Standards:</b> 1, 4-10
<b>Georgia Quality Core Curriculum:</b> Grade 8: 1, 11, 38

## 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 56
- \_\_\_\_\_ ⇨ Transparency 2-1A
- \_\_\_\_\_ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 56

## 2 TEACH

- \_\_\_\_\_ ⇨ Transparency 2-1B
- \_\_\_\_\_ Using Calculators, *TWE*, p. 56
- \_\_\_\_\_ In-Class Examples, *TWE*, p. 57
- \_\_\_\_\_ ⇨ *Study Guide Masters*, p. 10
- \_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 57
- \_\_\_\_\_ Error Analysis, *TWE*, p. 57
- \_\_\_\_\_ ⇨ *CD-ROM Program*, Resource Lesson 2-1

## 3 PRACTICE/APPLY

- \_\_\_\_\_ Check for Understanding, *SE*, pp. 57-58

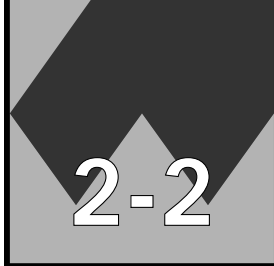
<b>Homework Assignments (p. 58)</b>	
_____ Core: 15-41 odd, 42-46	_____ Enriched: 14-38 even, 39-46
_____ Alternate Assignment: _____	

- \_\_\_\_\_ Extra Practice, *SE*, p. 608
- \_\_\_\_\_ ⇨ *Practice Masters*, p. 10
- \_\_\_\_\_ ⇨ *Diversity Masters*, p. 28
- \_\_\_\_\_ ⇨ *Georgia Parent and Student Study Guide Workbook*, p. 11

## 4 ASSESS

- \_\_\_\_\_ Closing Activity, Speaking, *TWE*, p. 58
- \_\_\_\_\_ Extending the Lesson, *TWE*, p. 58
- \_\_\_\_\_ ⇨ *Enrichment Masters*, p. 10

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# Lesson Planning Guide (pp. 59-61)



Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

## Objectives

\_\_\_\_\_ Compare and order integers.

<b>NCTM Standards:</b> 1, 5-10
<b>Georgia Quality Core Curriculum:</b> Grade 8: 1, 33

## 1 FOCUS

\_\_\_\_\_ 5-Minute Check, *TWE*, p. 59

\_\_\_\_\_ ⇨ Transparency 2-2A

\_\_\_\_\_ Motivating the Lesson, Problem Solving, *TWE*, p. 59

## 2 TEACH

\_\_\_\_\_ ⇨ Transparency 2-2B

\_\_\_\_\_ Thinking Algebraically, *TWE*, p. 59

\_\_\_\_\_ In-Class Examples, *TWE*, p. 60

\_\_\_\_\_ ⇨ *Study Guide Masters*, p. 11

\_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 60

\_\_\_\_\_ ⇨ *CD-ROM Program*, Resource Lesson 2-2

## 3 PRACTICE/APPLY

\_\_\_\_\_ Check for Understanding, *SE*, p. 60

### Homework Assignments (pp. 60-61)

\_\_\_\_\_ Core: 11-27 odd, 28-30

\_\_\_\_\_ Enriched: 10-24 even, 25-30

\_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

\_\_\_\_\_ Extra Practice, *SE*, p. 608

\_\_\_\_\_ ⇨ *Practice Masters*, p. 11

\_\_\_\_\_ ⇨ *Georgia Parent and Student Study Guide Workbook*, p. 12

## 4 ASSESS

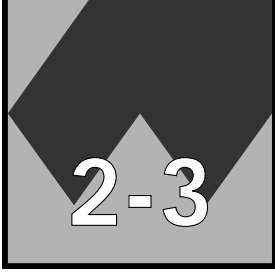
\_\_\_\_\_ Let the Games Begin, *SE*, p. 61

\_\_\_\_\_ Closing Activity, Writing, *TWE*, p. 61

\_\_\_\_\_ Extending the Lesson, *TWE*, p. 61

\_\_\_\_\_ ⇨ *Enrichment Masters*, p. 11

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# Lesson Planning Guide (pp. 62-65)



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

## Objectives

\_\_\_\_\_ Add integers.

### 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 62
- \_\_\_\_\_ ⇨ Transparency 2-3A
- \_\_\_\_\_ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 62
- \_\_\_\_\_ Cross-Curriculum Cue, *TWE*, p. 63

<b>NCTM Standards:</b> 1, 2, 4, 6-10
<b>Georgia Quality Core Curriculum:</b> <b>Grade 8:</b> 1, 3, 4, 7, 10, 17, 40

### 2 TEACH

- \_\_\_\_\_ ⇨ Transparency 2-3B
- \_\_\_\_\_ Using the Mini-Lab, *TWE*, p. 63
- \_\_\_\_\_ ⇨ *Teacher's Guide for Overhead Manipulative Resources*, Mini-Lab for Lesson 2-3
- \_\_\_\_\_ In-Class Examples, *TWE*, pp. 63-64
- \_\_\_\_\_ ⇨ *Study Guide Masters*, p. 12
- \_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 64
- \_\_\_\_\_ ⇨ *CD-ROM Program*, Resource Lesson 2-3, Interactive Lesson 2-3
- \_\_\_\_\_ ⇨ *Interactive Mathematics Tools Software*

### 3 PRACTICE/APPLY

- \_\_\_\_\_ Check for Understanding, *SE*, p. 64

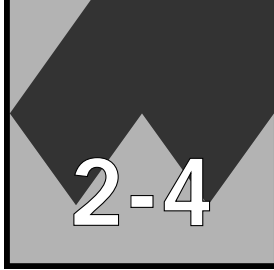
<b>Homework Assignments (p. 65)</b>	
_____ Core: 13-37 odd, 39-44	_____ Enriched: 14-36 even, 37, 39-44
_____ Optional: 38 (Working on the Chapter Project)	
_____ Alternate Assignment: _____	

- \_\_\_\_\_ Extra Practice, *SE*, p. 609
- \_\_\_\_\_ ⇨ *Practice Masters*, p. 12
- \_\_\_\_\_ ⇨ *Georgia Parent and Student Study Guide Workbook*, p. 13

### 4 ASSESS

- \_\_\_\_\_ Closing Activity, Speaking, *TWE*, p. 65
- \_\_\_\_\_ ⇨ *Assessment and Evaluation Masters*, Quiz A, p. 43
- \_\_\_\_\_ Extending the Lesson, *TWE*, p. 65
- \_\_\_\_\_ ⇨ *Enrichment Masters*, p. 12

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# Lesson Planning Guide (pp. 66-68)



Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

## Objectives

\_\_\_\_\_ Add three or more integers.

<b>NCTM Standards:</b> 1, 2, 4, 6-9
<b>Georgia Quality Core Curriculum:</b> <b>Grade 8:</b> 1, 2, 7, 9, 10, 17, 40

## 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 66
- \_\_\_\_\_ ⇨ Transparency 2-4A
- \_\_\_\_\_ Motivating the Lesson, Communication, *TWE*, p. 66
- \_\_\_\_\_ Multiple Learning Styles, Visual/Spatial, *TWE*, p. 66

## 2 TEACH

- \_\_\_\_\_ ⇨ Transparency 2-4B
- \_\_\_\_\_ Mastering Basic Skills, *TWE*, p. 66
- \_\_\_\_\_ In-Class Examples, *TWE*, p. 67
- \_\_\_\_\_ ⇨ *Study Guide Masters*, p. 13
- \_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 67
- \_\_\_\_\_ ⇨ *CD-ROM Program*, Resource Lesson 2-4

## 3 PRACTICE/APPLY

- \_\_\_\_\_ Check for Understanding, *SE*, p. 67

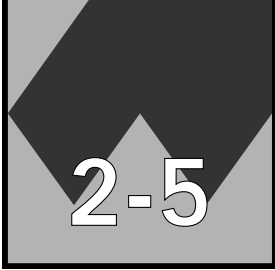
<b>Homework Assignments (p. 68)</b>	
_____ Core: 9-27 odd, 28-32	_____ Enriched: 10-24 even, 26-32
_____ Alternate Assignment: _____	

- \_\_\_\_\_ Extra Practice, *SE*, p. 609
- \_\_\_\_\_ ⇨ *Practice Masters*, p. 13
- \_\_\_\_\_ ⇨ *Georgia Parent and Student Study Guide Workbook*, p. 14

## 4 ASSESS

- \_\_\_\_\_ Closing Activity, Modeling, *TWE*, p. 68
- \_\_\_\_\_ Extending the Lesson, *TWE*, p. 68
- \_\_\_\_\_ ⇨ *Enrichment Masters*, p. 13

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# Lesson Planning Guide (pp. 69-72)



Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

## Objectives

\_\_\_\_\_ Subtract integers.

<b>NCTM Standards:</b> 1, 2, 4, 6-10
<b>Georgia Quality Core Curriculum:</b> Grade 8: 1, 10, 17, 40, 45

## 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 69
- \_\_\_\_\_ ⇨ Transparency 2-5A
- \_\_\_\_\_ Motivating the Lesson, Problem Solving, *TWE*, p. 69
- \_\_\_\_\_ Multiple Learning Styles, Interpersonal, *TWE*, p. 69

## 2 TEACH

- \_\_\_\_\_ ⇨ Transparency 2-5B
- \_\_\_\_\_ Using the Mini-Lab, *TWE*, p. 70
- \_\_\_\_\_ ⇨ *Teacher's Guide for Overhead Manipulative Resources*, Mini-Lab for Lesson 2-5
- \_\_\_\_\_ In-Class Examples, *TWE*, p. 70
- \_\_\_\_\_ ⇨ *Study Guide Masters*, p. 14
- \_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 71
- \_\_\_\_\_ Error Analysis, *TWE*, p. 71
- \_\_\_\_\_ ⇨ *CD-ROM Program*, Resource Lesson 2-5, Interactive Lesson 2-5
- \_\_\_\_\_ ⇨ *Interactive Mathematics Tools Software*

## 3 PRACTICE/APPLY

- \_\_\_\_\_ Check for Understanding, *SE*, p. 71

### Homework Assignments (pp. 71-72)

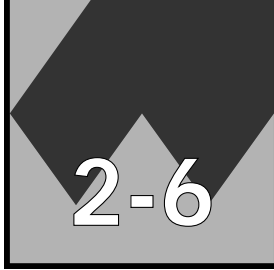
\_\_\_\_\_ Core: 13-41 odd, 42-47                      \_\_\_\_\_ Enriched: 14-38 even, 40-47  
 \_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

- \_\_\_\_\_ Extra Practice, *SE*, p. 609
- \_\_\_\_\_ ⇨ *Practice Masters*, p. 14
- \_\_\_\_\_ ⇨ *Georgia Parent and Student Study Guide Workbook*, p. 15

## 4 ASSESS

- \_\_\_\_\_ Closing Activity, Speaking, *TWE*, p. 72
- \_\_\_\_\_ ⇨ *Assessment and Evaluation Masters*, Mid-Chapter Test, p. 42
- \_\_\_\_\_ ⇨ *Assessment and Evaluation Masters*, Quiz B, p. 43
- \_\_\_\_\_ Extending the Lesson, *TWE*, p. 72
- \_\_\_\_\_ ⇨ *Enrichment Masters*, p. 14
- \_\_\_\_\_ Mid-Chapter Self Test, *SE*, p. 72

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# Lesson Planning Guide (pp. 73-76)



Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

## Objectives

\_\_\_\_\_ Use matrices to organize data.

<b>NCTM Standards:</b> 1, 2, 5-10
<b>Georgia Quality Core Curriculum:</b> Grade 8: 1, 2, 45

## 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 73
- \_\_\_\_\_ ⇨ Transparency 2-6A
- \_\_\_\_\_ Motivating the Lesson, Problem Solving, *TWE*, p. 73
- \_\_\_\_\_ Multiple Learning Styles, Kinesthetic, *TWE*, p. 73

## 2 TEACH

- \_\_\_\_\_ ⇨ Transparency 2-6B
- \_\_\_\_\_ Reading Mathematics, *TWE*, p. 74
- \_\_\_\_\_ In-Class Examples, *TWE*, p. 74
- \_\_\_\_\_ ⇨ *Study Guide Masters*, p. 15
- \_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 75
- \_\_\_\_\_ ⇨ *CD-ROM Program*, Resource Lesson 2-6

## 3 PRACTICE/APPLY

- \_\_\_\_\_ Check for Understanding, *SE*, pp. 74-75

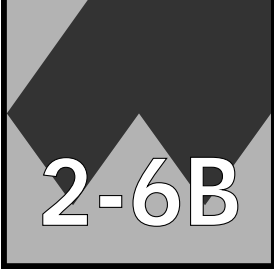
<b>Homework Assignments (pp. 75-76)</b>	
_____ Core: 9-21 odd, 22-25	_____ Enriched: 8-18 even, 20-25
_____ Alternate Assignment: _____	

- \_\_\_\_\_ Extra Practice, *SE*, p. 610
- \_\_\_\_\_ ⇨ *Practice Masters*, p. 15
- \_\_\_\_\_ ⇨ *Georgia Parent and Student Study Guide Workbook*, p. 16

## 4 ASSESS

- \_\_\_\_\_ Let the Games Begin, *SE*, p. 76
- \_\_\_\_\_ Closing Activity, Modeling, *TWE*, p. 76
- \_\_\_\_\_ Extending the Lesson, *TWE*, p. 76
- \_\_\_\_\_ ⇨ *Enrichment Masters*, p. 15

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# Lesson Planning Guide (p. 77)



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

## Objectives

\_\_\_\_\_ Perform matrix operations with a graphing calculator.

<b>NCTM Standards:</b> 1, 2
<b>Georgia Quality Core Curriculum:</b> <b>Grade 8:</b> 1, 3

## MANAGEMENT

\_\_\_\_\_ Getting Started, *TWE*, p. 77  
\_\_\_\_\_ ⇔ *Overhead Manipulative Resources*: calculator layouts

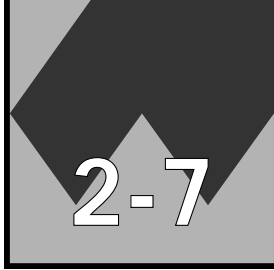
## ASSESS

\_\_\_\_\_ *TWE*, p. 77

<b>Class Activity (p. 77)</b>
_____ All: 1-5
_____ Alternate Assignment: _____

\_\_\_\_\_ Math Journal, *TWE*, p. 77

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# Lesson Planning Guide (pp. 78-80)



Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

## Objectives

\_\_\_\_\_ Multiply integers.

<b>NCTM Standards:</b> 1, 2, 6-10
<b>Georgia Quality Core Curriculum:</b> Grade 8: 1, 7, 10, 17, 40

## 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 78
- \_\_\_\_\_ ⇨ Transparency 2-7A
- \_\_\_\_\_ Motivating the Lesson, Communication, *TWE*, p. 78

## 2 TEACH

- \_\_\_\_\_ ⇨ Transparency 2-7B
- \_\_\_\_\_ Using the Mini-Lab, *TWE*, p. 79
- \_\_\_\_\_ ⇨ *Teacher's Guide for Overhead Manipulative Resources*, Mini-Lab for Lesson 2-7
- \_\_\_\_\_ In-Class Examples, *TWE*, p. 79
- \_\_\_\_\_ ⇨ *Study Guide Masters*, p. 16
- \_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 79
- \_\_\_\_\_ ⇨ *CD-ROM Program*, Resource Lesson 2-7, Interactive Lesson 2-7
- \_\_\_\_\_ ⇨ *Interactive Mathematics Tools Software*

## 3 PRACTICE/APPLY

- \_\_\_\_\_ Check for Understanding, *SE*, p. 80

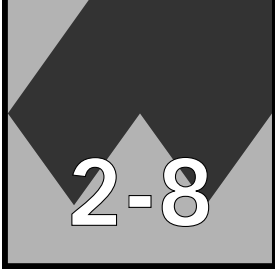
<b>Homework Assignments (p. 80)</b>	
_____ Core: 13-35 odd, 36-38	_____ Enriched: 12-32 even, 33-38
_____ Alternate Assignment: _____	

- \_\_\_\_\_ Extra Practice, *SE*, p. 610
- \_\_\_\_\_ ⇨ *Practice Masters*, p. 16
- \_\_\_\_\_ ⇨ *School to Career Masters*, p. 28
- \_\_\_\_\_ ⇨ *Science and Mathematics Lab Manual*, pp. 89-92
- \_\_\_\_\_ ⇨ *Georgia Parent and Student Study Guide Workbook*, p. 17

## 4 ASSESS

- \_\_\_\_\_ Closing Activity, Speaking, *TWE*, p. 80
- \_\_\_\_\_ Extending the Lesson, *TWE*, p. 80
- \_\_\_\_\_ ⇨ *Enrichment Masters*, p. 16

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# Lesson Planning Guide (pp. 81-83)



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

## Objectives

\_\_\_\_\_ Divide integers.

<b>NCTM Standards:</b> 1-3, 6-9
<b>Georgia Quality Core Curriculum:</b> <b>Grade 8:</b> 1, 5, 6, 7, 9, 10, 17

## 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 81
- \_\_\_\_\_ ⇨ Transparency 2-8A
- \_\_\_\_\_ Motivating the Lesson, Problem Solving, *TWE*, p. 81

## 2 TEACH

- \_\_\_\_\_ ⇨ Transparency 2-8B
- \_\_\_\_\_ Using Models, *TWE*, p. 81
- \_\_\_\_\_ In-Class Examples, *TWE*, p. 82
- \_\_\_\_\_ ⇨ *Study Guide Masters*, p. 17
- \_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 82
- \_\_\_\_\_ ⇨ *CD-ROM Program*, Resource Lesson 2-8

## 3 PRACTICE/APPLY

- \_\_\_\_\_ Check for Understanding, *SE*, p. 82

### Homework Assignments (pp. 82-83)

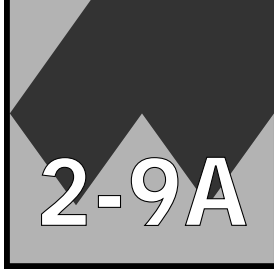
- \_\_\_\_\_ Core: 15-43 odd, 45-50      \_\_\_\_\_ Enriched: 14-40 even, 41-43, 45-50
- \_\_\_\_\_ Optional: 44 (Working on the Chapter Project)
- \_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

- \_\_\_\_\_ Extra Practice, *SE*, p. 610
- \_\_\_\_\_ ⇨ *Practice Masters*, p. 17
- \_\_\_\_\_ ⇨ *Classroom Games*, pp. 3-6
- \_\_\_\_\_ ⇨ *Georgia Parent and Student Study Guide Workbook*, p. 18

## 4 ASSESS

- \_\_\_\_\_ Closing Activity, Writing, *TWE*, p. 83
- \_\_\_\_\_ ⇨ *Assessment and Evaluation Masters*, Quiz C, p. 44
- \_\_\_\_\_ Extending the Lesson, *TWE*, p. 83
- \_\_\_\_\_ ⇨ *Enrichment Masters*, p. 17

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# Lesson Planning Guide (pp. 84-85)



Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

## Objectives

\_\_\_\_\_ Solve equations by using models.

<b>NCTM Standards:</b> 1, 2, 6, 10
<b>Georgia Quality Core Curriculum:</b> <b>Grade 8:</b> 1, 2, 7, 10

## MANAGEMENT

\_\_\_\_\_ Getting Started, *TWE*, p. 84

\_\_\_\_\_ ⇨ *Hands-On Lab Masters*, p. 6: integer counters;  
p. 7: pattern for a cup; p. 9: equation mat

\_\_\_\_\_ ⇨ *Teacher's Guide for Overhead Manipulative Resources*, Lesson 2-9A

\_\_\_\_\_ ⇨ *Overhead Manipulative Resources*: counters, cup, equation mat

## ASSESS

\_\_\_\_\_ *TWE* p. 85

\_\_\_\_\_ *Hands-On Lab Masters*, p. 41

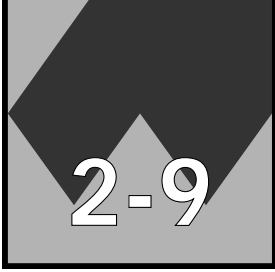
### Class Activity (pp. 84-85)

\_\_\_\_\_ All: 1-15

\_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

\_\_\_\_\_ Math Journal, *TWE*, p. 85

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



# Lesson Planning Guide (pp. 86-89)



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

## Objectives

\_\_\_\_\_ Solve equations with integer solutions.

<b>NCTM Standards:</b> 1, 2, 6-9
<b>Georgia Quality Core Curriculum:</b> Grade 8: 1, 7, 10

## 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 86
- \_\_\_\_\_ ⇨ Transparency 2-9A
- \_\_\_\_\_ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 86

## 2 TEACH

- \_\_\_\_\_ ⇨ Transparency 2-9B
- \_\_\_\_\_ Reading Mathematics, *TWE*, p. 87
- \_\_\_\_\_ In-Class Examples, *TWE*, p. 87
- \_\_\_\_\_ ⇨ *Study Guide Masters*, p. 18
- \_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 88
- \_\_\_\_\_ ⇨ *CD-ROM Program*, Resource Lesson 2-9, Interactive Lesson 2-9

## 3 PRACTICE/APPLY

- \_\_\_\_\_ Check for Understanding, *SE*, p. 88

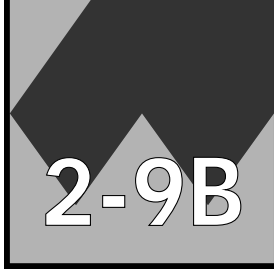
<b>Homework Assignments (pp. 88-89)</b>	
_____ Core: 11-33 odd, 34-38	_____ Enriched: 12-30 even, 32-38
_____ Alternate Assignment: _____	

- \_\_\_\_\_ Extra Practice, *SE*, p. 611
- \_\_\_\_\_ ⇨ *Practice Masters*, p. 18
- \_\_\_\_\_ ⇨ *Technology Masters*, Calculator Activity, p. 55
- \_\_\_\_\_ ⇨ *Technology Masters*, Graphing Calculator Activity, p. 56
- \_\_\_\_\_ Math in the Media, *SE*, p. 89
- \_\_\_\_\_ ⇨ *Georgia Parent and Student Study Guide Workbook*, p. 19

## 4 ASSESS

- \_\_\_\_\_ Closing Activity, Modeling, *TWE*, p. 89
- \_\_\_\_\_ Extending the Lesson, *TWE*, p. 89
- \_\_\_\_\_ ⇨ *Enrichment Masters*, p. 18

KEY	<i>SE</i> = Student Edition	<i>TWE</i> = Teacher's Wraparound Edition	⇨ = Other Program Components
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# Lesson Planning Guide (pp. 90-91)



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

## Objectives

\_\_\_\_\_ Solve problems by eliminating possibilities.

### 1 FOCUS

\_\_\_\_\_ Getting Started, *TWE*, p. 90

### 2 TEACH

\_\_\_\_\_ In-Class Example, *TWE*, p. 90

\_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 90

### 3 PRACTICE/APPLY

\_\_\_\_\_ Check for Understanding, *TWE*, p. 91

<b>NCTM Standards:</b> 1, 6-10
<b>Georgia Quality Core Curriculum:</b> Grade 8: 1, 2, 40, 45

### Homework Assignments (p. 91)

\_\_\_\_\_ All: 5-14

\_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

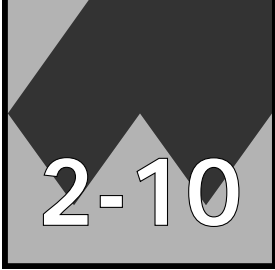
\_\_\_\_\_ Mixed Problem Solving, *SE*, p. 91

### 4 ASSESS

\_\_\_\_\_ Closing Activity, Writing, *TWE*, p. 91

\_\_\_\_\_ Extending the Lesson, *TWE*, p. 91

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# Lesson Planning Guide (pp. 92-95)



Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

## Objectives

\_\_\_\_\_ Graph points on the coordinate plane.

<b>NCTM Standards:</b> 1-4, 6-10
<b>Georgia Quality Core Curriculum:</b> Grade 8: 1, 24

## 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 92
- \_\_\_\_\_ ⇨ Transparency 2-10A
- \_\_\_\_\_ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 92

## 2 TEACH

- \_\_\_\_\_ ⇨ Transparency 2-10B
- \_\_\_\_\_ Thinking Algebraically, *TWE*, p. 92
- \_\_\_\_\_ In-Class Examples, *TWE*, p. 93
- \_\_\_\_\_ ⇨ *Study Guide Masters*, p. 19
- \_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 93
- \_\_\_\_\_ Error Analysis, *TWE*, p. 93
- \_\_\_\_\_ ⇨ *CD-ROM Program*, Resource Lesson 2-10, Interactive Lesson 2-10
- \_\_\_\_\_ ⇨ *Interactive Mathematics Tools Software*

## 3 PRACTICE/APPLY

- \_\_\_\_\_ Check for Understanding, *SE*, pp. 93-94

<b>Homework Assignments (pp. 94-95)</b>	
_____ Core: 15-47 odd, 49-55	_____ Enriched: 16-44 even, 45-47, 49-55
_____ Optional: 48 (Working on the Chapter Project)	
_____ Alternate Assignment: _____	

- \_\_\_\_\_ Extra Practice, *SE*, p. 611
- \_\_\_\_\_ ⇨ *Practice Masters*, p. 19
- \_\_\_\_\_ ⇨ *Hands-On Lab Masters*, p. 69
- \_\_\_\_\_ Family Activity, *SE*, p. 94
- \_\_\_\_\_ ⇨ *Georgia Parent and Student Study Guide Workbook*, p. 20

## 4 ASSESS

- \_\_\_\_\_ Closing Activity, Writing, *TWE*, p. 95
- \_\_\_\_\_ ⇨ *Assessment and Evaluation Masters*, Quiz D, p. 44
- \_\_\_\_\_ Extending the Lesson, *TWE*, p. 95
- \_\_\_\_\_ ⇨ *Enrichment Masters*, p. 19

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# Review and Assessment (pp. 96-101)



Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_  
Review M Tu W Th F  
Testing M Tu W Th F

\_\_\_\_\_ Study Guide and Assessment, *SE*, pp. 96-99

\_\_\_\_\_ Standardized Test Practice, *SE*, pp. 100-101

\_\_\_\_\_ Chapter Test, *SE*, p. 648

## ⇨ **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*

\_\_\_\_\_ Form 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*

\_\_\_\_\_ ⇨  *Georgia Parent and Student Study Guide Workbook*, p. 21

\_\_\_\_\_ ⇨  *Georgia Stanford 9 Practice and Sample Test Workbook*

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