

# 1 Problem Solving, Numbers, and Algebra



## Chapter Pacing Guide

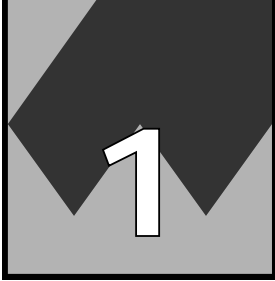
Please note that this pacing guide is based upon completing the entire text in 165 classes, approximately 50 minutes each. More time can be allotted for this chapter if you do not plan to teach the entire text.

Day (Standard)	Day (Honors)	Lesson	Title
1	1	*Chapter Project	Theme: Shopping Shop 'Til You Drop!
2	2	1-1	A Plan for Problem Solving
3	3	1-2	Using Patterns
4	4	1-3	Estimation by Rounding
5	5	1-4	Order of Operations
6 & 7	6 & 7	*1-5A	<small>HANDS-ON LAB</small> Cooperative Learning Variables and Expressions
		1-5	Integration: Algebra Variables and Expressions
		1-5B	<small>TECHNOLOGY LAB</small> Graphing Calculators Evaluating Expressions
8	8	1-6	Integration: Algebra Powers and Exponents
9	9	*1-7A	<small>THINKING LAB</small> Problem Solving Guess and Check
10	10	1-7	Integration: Algebra Solving Equations
11	11	Review: Study Guide and Assessment	
12	12	Assessment: Chapter Test	

\* *Optional*

## Chapter Resources

<p><b>Meeting Individual Needs</b>  <i>Investigations for the Special Education Student, Vacation Getaways</i>, pp. 1-2  <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 1 and 11</p>	<p><b>Applications</b>  <i>Family Letters and Activities</i>, pp. 1-2  <i>Spanish Family Letters and Activities</i>, pp. 1-2</p>



# Chapter Project (pp. 2-3)



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

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

## Objectives

- \_\_\_\_\_ Apply problem-solving strategies to real-life situations, such as catalog shopping.
- \_\_\_\_\_ Understand estimation and algebraic expressions by applying them to catalog orders.
- \_\_\_\_\_ State/local objectives: \_\_\_\_\_

## Theme: Shopping

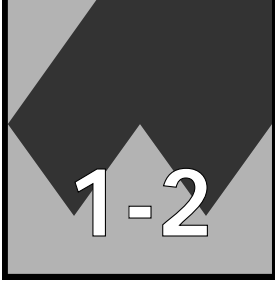
- \_\_\_\_\_ Chapter Project, *SE*, p. 3
- \_\_\_\_\_ Chapter 1 Notes, *TWE*, p. 2
- \_\_\_\_\_ Question of the Day, *TWE*, p. 2
- \_\_\_\_\_ ⇔ *Investigations and Projects Masters*, pp. 17-20

### Homework Assignments

- \_\_\_\_\_ p. 15, Working on the Chapter Project, Exercise 45
- \_\_\_\_\_ p. 19, Working on the Chapter Project, Exercise 23
- \_\_\_\_\_ p. 41, Completing the Chapter Project, Alternative Assessment

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





# Lesson Planning Guide (pp. 8-11)



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

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

## Objectives

- \_\_\_\_\_ Solve problems using patterns.
- \_\_\_\_\_ State/local objectives: \_\_\_\_\_

<b>NCTM Standards:</b> 1, 2, 6-10
<b>South Carolina Math Curriculum Standards</b> <b>Grade 6: ALG I.A.1.</b>

## 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 8
- \_\_\_\_\_ ⇨ Transparency 1-2A
- \_\_\_\_\_ Motivating the Lesson, Communication, *TWE*, p. 8

## 2 TEACH

- \_\_\_\_\_ ⇨ Transparency 1-2B
- \_\_\_\_\_ Using the Mini-Lab, *TWE*, p. 9
- \_\_\_\_\_ ⇨ *Teacher's Guide for Overhead Manipulative Resources*, Mini-Lab for Lesson 1-2
- \_\_\_\_\_ In-Class Examples, *TWE*, pp. 9-10
- \_\_\_\_\_ ⇨ *Study Guide Masters*, p. 2
- \_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 10
- \_\_\_\_\_ Error Analysis, *TWE*, p. 10
- \_\_\_\_\_ ⇨ *CD-ROM Program*, Resource Lesson 1-2

## 3 PRACTICE/APPLY

- \_\_\_\_\_ Check for Understanding, *SE*, pp. 10-11

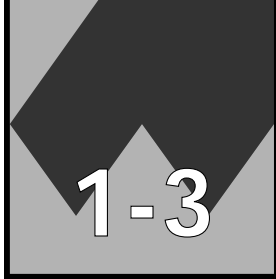
<b>Homework Assignments (p. 11)</b>	
_____ Core: 7-17 odd, 18-19	_____ Enriched: 8-12 even, 14-19
_____ Alternate Assignment: _____	

- \_\_\_\_\_ Extra Practice, *SE*, p. 557
- \_\_\_\_\_ ⇨ *Practice Masters*, p. 2
- \_\_\_\_\_ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 2

## 4 ASSESS

- \_\_\_\_\_ Closing Activity, Writing, *TWE*, p. 11
- \_\_\_\_\_ ⇨ *Assessment and Evaluation Masters*, Quiz A, p. 15
- \_\_\_\_\_ Extending the Lesson, *TWE*, p. 11
- \_\_\_\_\_ ⇨ *Enrichment Masters*, p. 2

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# Lesson Planning Guide (pp. 12-15)



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

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

## Objectives

- \_\_\_\_\_ Estimate sums, differences, products, and quotients using rounding.
- \_\_\_\_\_ State/local objectives: \_\_\_\_\_

<b>NCTM Standards:</b> 1, 4-10
<b>South Carolina Math Curriculum Standards</b>
<b>Grade 6: ALG I.A.1.</b>

## 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 12
- \_\_\_\_\_ ⇨ Transparency 1-3A
- \_\_\_\_\_ Motivating the Lesson, Communication, *TWE*, p. 12
- \_\_\_\_\_ Multiple Learning Styles, Interpersonal, *TWE*, p. 12

## 2 TEACH

- \_\_\_\_\_ ⇨ Transparency 1-3B
- \_\_\_\_\_ Using Discussion, *TWE*, p. 13
- \_\_\_\_\_ In-Class Examples, *TWE*, p. 13
- \_\_\_\_\_ ⇨ *Study Guide Masters*, p. 3
- \_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 14
- \_\_\_\_\_ ⇨ *Transition Booklet*, pp. 11-14, 17-18
- \_\_\_\_\_ ⇨ *CD-ROM Program*, Resource Lesson 1-3, Interactive Lesson 1-3

## 3 PRACTICE/APPLY

- \_\_\_\_\_ Check for Understanding, *SE*, p. 14

<i>Homework Assignments (pp. 14-15)</i>	
_____ Core: 15-43 odd, 46-52	_____ Enriched: 16-42 even, 43, 44, 46-52
_____ Optional: 45 (Working on the Chapter Project)	
_____ Alternate Assignment: _____	

- \_\_\_\_\_ Extra Practice, *SE*, p. 557
- \_\_\_\_\_ ⇨ *Practice Masters*, p. 3
- \_\_\_\_\_ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 3

## 4 ASSESS

- \_\_\_\_\_ Closing Activity, Modeling, *TWE*, p. 15
- \_\_\_\_\_ Extending the Lesson, *TWE*, p. 15
- \_\_\_\_\_ ⇨ *Enrichment Masters*, p. 3

<b>KEY</b> <i>SE</i> = Student Edition <i>TWE</i> = Teacher's Wraparound Edition    ⇨ = Other Program Components
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# Lesson Planning Guide (pp. 20-21)



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

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

## Objectives

- \_\_\_\_\_ Students model algebraic expressions.
- \_\_\_\_\_ State/local objectives: \_\_\_\_\_

**NCTM Standards:**  
1, 2, 6-10

## MANAGEMENT

- \_\_\_\_\_ Getting Started, *TWE*, p. 20
- \_\_\_\_\_ ⇔ *Hands-On Lab Masters*, p. 39
- \_\_\_\_\_ ⇔ *Teacher's Guide for Overhead Manipulative Resources*, Lesson 1-5A

## ASSESS

- \_\_\_\_\_ *TWE*, p. 21
- \_\_\_\_\_ ⇔ *Hands-On Lab Masters*, p. 39

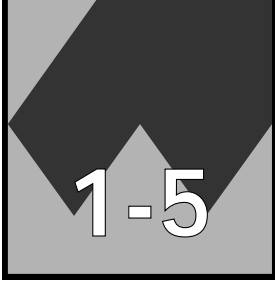
**Class Activity (pp. 20-21)**

\_\_\_\_\_ All: 1-8

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

- \_\_\_\_\_ Math Journal, *TWE*, p. 21

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# Lesson Planning Guide (pp. 22-25)



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

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

## Objectives

- \_\_\_\_\_ Evaluate numerical and simple algebraic expressions.
- \_\_\_\_\_ State/local objectives: \_\_\_\_\_

<b>NCTM Standards:</b> 1, 2, 6-10
<b>South Carolina Math Curriculum Standards</b> <b>Grade 6:</b> ALG I.A.1., GEO IV.E.1., MEA I.C.2., MEA II.A.1.

## 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 22
- \_\_\_\_\_ ⇨ Transparency 1-5A
- \_\_\_\_\_ Motivating the Lesson, Problem Solving, *TWE*, p. 22
- \_\_\_\_\_ Multiple Learning Styles, Verbal/Linguistic, *TWE*, p. 22

## 2 TEACH


- \_\_\_\_\_ ⇨ Transparency 1-5B
- \_\_\_\_\_ Reading Mathematics, *TWE*, p. 23
- \_\_\_\_\_ In-Class Examples, *TWE*, p. 23
- \_\_\_\_\_ ⇨ *Study Guide Masters*, p. 5
- \_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 24
- \_\_\_\_\_ ⇨ *CD-ROM Program*, Resource Lesson 1-5, Interactive Lesson 1-5
- \_\_\_\_\_ ⇨ *Interactive Mathematics Tools Software*

## 3 PRACTICE/APPLY

- \_\_\_\_\_ Check for Understanding, *SE*, p. 24

### Homework Assignments (pp. 24-25)

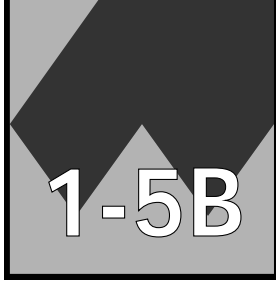
- \_\_\_\_\_ Core: 13-39 odd, 41-46
- \_\_\_\_\_ Enriched: 14-38 even, 39-46
- \_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

- \_\_\_\_\_ Extra Practice, *SE*, p. 558
- \_\_\_\_\_ ⇨ *Practice Masters*, p. 5
- \_\_\_\_\_ ⇨ *Science and Mathematics Lab Manual*, pp. 1-4
- \_\_\_\_\_ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 5

## 4 ASSESS

- \_\_\_\_\_ Closing Activity, Modeling, *TWE*, p. 25
- \_\_\_\_\_ Extending the Lesson, *TWE*, p. 25
- \_\_\_\_\_ ⇨ *Enrichment Masters*, p. 5

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# Lesson Planning Guide (p. 26)



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

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

## Objectives

\_\_\_\_\_ Evaluate algebraic expressions by using a graphing calculator.

\_\_\_\_\_ State/local objectives: \_\_\_\_\_

<b>NCTM Standards:</b> 1, 2, 6-9
<b>South Carolina Math Curriculum Standards</b>
<b>Grade 6: ALG II.A.1.</b>

## MANAGEMENT

\_\_\_\_\_ Getting Started, *TWE*, p. 26

\_\_\_\_\_ Using a Graphing Calculator, *TWE*, p. 26

## ASSESS

\_\_\_\_\_ *TWE*, p. 26

### Class Activity (p. 26)

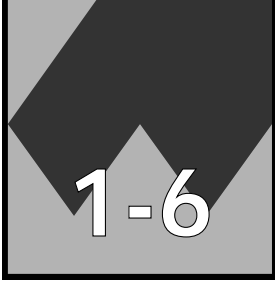
\_\_\_\_\_ All: 1-9

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

\_\_\_\_\_ Math Journal, *TWE*, p. 26

\_\_\_\_\_ School to Career Activity, *SE*, p. 27

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# Lesson Planning Guide (pp. 28-31)



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

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

## Objectives

- \_\_\_\_\_ Use powers and exponents in expressions.
- \_\_\_\_\_ State/local objectives: \_\_\_\_\_

<b>NCTM Standards:</b> 1, 2, 4, 6-10
<b>South Carolina Math Curriculum Standards</b> <b>Grade 6:</b> NO I.E.1., ALG I.A.1., ALG II.A.1., GEO IV.E.1.

## 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 28
- \_\_\_\_\_ ⇨ Transparency 1-6A
- \_\_\_\_\_ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 28
- \_\_\_\_\_ Multiple Learning Styles, Kinesthetic, *TWE*, p. 28

## 2 TEACH

- \_\_\_\_\_ ⇨ Transparency 1-6B
- \_\_\_\_\_ Reading Mathematics, *TWE*, p. 29
- \_\_\_\_\_ In-Class Examples, *TWE*, p. 29
- \_\_\_\_\_ ⇨ *Study Guide Masters*, p. 6
- \_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 29
- \_\_\_\_\_ ⇨ *CD-ROM Program*, Resource Lesson 1-6

## 3 PRACTICE/APPLY

- \_\_\_\_\_ Check for Understanding, *SE*, p. 29

### Homework Assignments (pp. 30-31)

- \_\_\_\_\_ Core: 15-43 odd, 44-49                      \_\_\_\_\_ Enriched: 14-40 even, 42-49
- \_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

- \_\_\_\_\_ Extra Practice, *SE*, p. 558
- \_\_\_\_\_ ⇨ *Practice Masters*, p. 6
- \_\_\_\_\_ ⇨ *Classroom Games*, pp. 1-2
- \_\_\_\_\_ ⇨ *Technology Masters*, Graphing Calculator Activity, p. 2
- \_\_\_\_\_ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 6

## 4 ASSESS

- \_\_\_\_\_ Let the Games Begin, *SE*, p. 31
- \_\_\_\_\_ Closing Activity, Speaking, *TWE*, p. 31
- \_\_\_\_\_ ⇨ *Assessment and Evaluation Masters*, Quiz C, p. 16
- \_\_\_\_\_ Extending the Lesson, *TWE*, p. 31
- \_\_\_\_\_ ⇨ *Enrichment Masters*, p. 6

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# Lesson Planning Guide (pp. 32-33)



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

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

## Objectives

- \_\_\_\_\_ Solve problems by using the guess-and-check strategy.
- \_\_\_\_\_ State/local objectives: \_\_\_\_\_

**NCTM Standards:**  
1, 6-10

## 1 FOCUS

- \_\_\_\_\_ Getting Started, *TWE*, p. 32

## 2 TEACH

- \_\_\_\_\_ In-Class Examples, *TWE*, p. 32
- \_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 32

## 3 PRACTICE/APPLY

- \_\_\_\_\_ Check for Understanding, *TWE*, p. 33

*Homework Assignments (p. 33)*

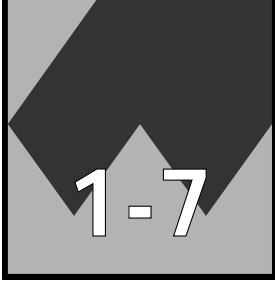
- \_\_\_\_\_ All 5-15
- \_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

- \_\_\_\_\_ Extra Practice, *SE*, p. 559
- \_\_\_\_\_ Mixed Problem Solving, *SE*, pp. 593-594

## 4 ASSESS

- \_\_\_\_\_ Closing Activity, Writing, *TWE*, p. 33
- \_\_\_\_\_ Extending the Lesson, *TWE*, p. 33

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# Lesson Planning Guide (pp. 34-37)



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

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

## Objectives

- \_\_\_\_\_ Solve equations by using mental math and guess and check.
- \_\_\_\_\_ State/local objectives: \_\_\_\_\_

**NCTM Standards:**  
1-9

## 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 34
- \_\_\_\_\_ ⇨ Transparency 1-7A
- \_\_\_\_\_ Motivating the Lesson, Problem Solving, *TWE*, p. 34

## 2 TEACH

- \_\_\_\_\_ ⇨ Transparency 1-7B
- \_\_\_\_\_ Using Manipulatives, *TWE*, p. 35
- \_\_\_\_\_ In-Class Examples, *TWE*, p. 35
- \_\_\_\_\_ ⇨ *Study Guide Masters*, p. 7
- \_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 35
- \_\_\_\_\_ ⇨ *Transition Booklet*, pp. 15-16, 19-22, 25-26
- \_\_\_\_\_ ⇨ *CD-ROM Program*, Resource Lesson 1-7

## 3 PRACTICE/APPLY

- \_\_\_\_\_ Check for Understanding, *SE*, pp. 35-36

**Homework Assignments (p. 36)**

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

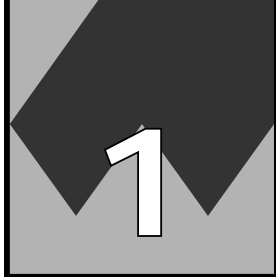
\_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

- \_\_\_\_\_ Extra Practice, *SE*, p. 559
- \_\_\_\_\_ ⇨ *Practice Masters*, p. 7
- \_\_\_\_\_ ⇨ *Hands-On Lab Masters*, p. 69
- \_\_\_\_\_ ⇨ *Diversity Masters*, p. 1
- \_\_\_\_\_ ⇨ *School to Career Masters*, p. 1
- \_\_\_\_\_ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 7

## 4 ASSESS

- \_\_\_\_\_ Closing Activity, Modeling, *TWE*, p. 37
- \_\_\_\_\_ ⇨ *Assessment and Evaluation Masters*, Quiz D, p. 16
- \_\_\_\_\_ Extending the Lesson, *TWE*, p. 37
- \_\_\_\_\_ ⇨ *Enrichment Masters*, p. 7

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# Review and Assessment (pp. 38-43)



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

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

- \_\_\_\_\_ Study Guide and Assessment, *SE*, pp. 38-41
- \_\_\_\_\_ Standardized Test Practice, *SE*, pp. 42-43
- \_\_\_\_\_ Chapter Test, *SE*, p. 595



## ⇨ Assessment and Evaluation Masters (pp. 1-19)

### Multiple-Choice Tests

- \_\_\_\_\_ Form 1A, 1B, or 1C, pp. 1-6
- \_\_\_\_\_ Standardized Test Practice, pp. 17-18

### Free-Response Tests

- \_\_\_\_\_ Form 2A, 2B, or 2C, pp. 7-12
- \_\_\_\_\_ Performance Assessment, p. 13
- \_\_\_\_\_ Cumulative Review, p. 19

- \_\_\_\_\_ ⇨ *MindJogger Videoquizzes*, Chapter 1
- \_\_\_\_\_ ⇨ *Test and Review Software*
- \_\_\_\_\_ ⇨ *CD-ROM Assessment Game*
- \_\_\_\_\_ ⇨ *State Test Preparation CD-ROM*
- \_\_\_\_\_ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 8
- \_\_\_\_\_ ⇨  *South Carolina PACT Workbook and Test Preparation, Grade 6*

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