

7 Applying Fractions



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: Stock Market Ups and Downs
2	2	7-1	Estimating with Fractions
3	3	7-2	Adding and Subtracting Fractions
4	4	7-3	Adding and Subtracting Mixed Numbers
5	5	7-3B	THINKING LAB Problem Solving Eliminate Possibilities
6, 7 & 8	6 & 7	*7-4A	HANDS-ON LAB Cooperative Learning Multiplying Fractions and Mixed Numbers
		7-4	Multiplying Fractions and Mixed Numbers
		*7-4B	HANDS-ON LAB Cooperative Learning Fractal Patterns
9	8	7-5	Integration: Measurement Changing Customary Units
10	9	7-6	Integration: Geometry Perimeter
11	10	7-7	Integration: Measurement Circles and Circumferences
12	11	7-8	Properties
13	12	7-9	Dividing Fractions and Mixed Numbers
14	13	Review: Study Guide and Assessment	
15	14	Assessment: Chapter Test	

*Optional

Chapter Resources

<p>Meeting Individual Needs <i>Investigations for the Special Education Student</i>, Read All About Us, p. 15; Wall Street Week, pp. 17-18; Weather Report, pp. 19-20 <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 3 and 5</p>	<p>Applications <i>Family Letters and Activities</i>, pp. 39-40 <i>Spanish Family Letters and Activities</i>, pp. 39-40</p>



Chapter Project (pp. 266-267)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Learn what it means to own stock in a company.
- _____ Track the movement of four companies' stocks for one month.
- _____ Learn how fractions are used in stock tables.

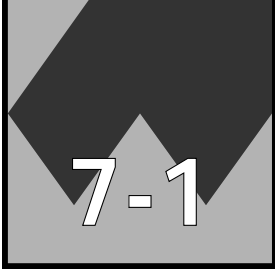
Theme: Stock Market

- _____ Chapter Project, *SE*, p. 267
- _____ Chapter 7 Notes, *TWE*, p. 266
- _____ Question of the Day, *TWE*, p. 266
- _____ ⇨ *Investigations and Projects Masters*, pp. 41-44

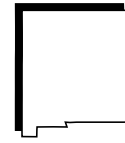
Homework Assignments

- _____ p. 271, Working on the Chapter Project, Exercise 51
- _____ p. 287, Working on the Chapter Project, Exercise 36
- _____ p. 307, Working on the Chapter Project, Exercise 35
- _____ p. 311, Completing the Chapter Project, Alternative Assessment

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



Lesson Planning Guide (pp. 268-271)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Estimate sums, differences, products, and quotients of fractions and mixed numbers.

NCTM Standards:

1-7

New Mexico Mathematics Performance Standards

Grades 5-8:

7-A-1, 7-C-2, 7-E-1, 7-F-1

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 268
- _____ ⇨ Transparency 7-1A
- _____ Motivating the Lesson, Problem Solving, *TWE*, p. 268
- _____ Cross-Curriculum Cue, *TWE*, p. 268

2 TEACH

- _____ ⇨ Transparency 7-1B
- _____ Using Calculators, *TWE*, p. 269
- _____ In-Class Examples, *TWE*, p. 269
- _____ ⇨ *Study Guide Masters*, p. 49
- _____ Reteaching the Lesson, *TWE*, p. 270
- _____ ⇨ *CD-ROM Program*, Resource Lesson 7-1
- _____ ⇨ *Interactive Mathematics Tools Software*

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 270

Homework Assignments (pp. 270-271)

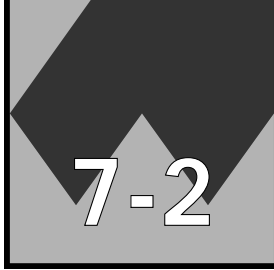
- _____ Core: 17-49 odd, 52-58 _____ Enriched: 16-46 even, 48-50, 52-58
- _____ Optional: 51 (Working on the Chapter Project)
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 586
- _____ ⇨ *Practice Masters*, p. 49
- _____ Family Activity, *SE*, p. 271

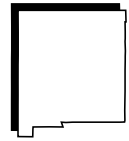
4 ASSESS

- _____ Closing Activity, Speaking, *TWE*, p. 271
- _____ Extending the Lesson, *TWE*, p. 271
- _____ ⇨ *Enrichment Masters*, p. 49

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



Lesson Planning Guide (pp. 272-275)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Add and subtract fractions.

NCTM Standards: 1-7, 13
New Mexico Mathematics Performance Standards Grades 5-8: 6-C-1, 7-F-1

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 272
- _____ ⇨ Transparency 7-2A
- _____ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 272
- _____ Motivating the Lesson, Logical, *TWE*, p. 272

2 TEACH

- _____ ⇨ Transparency 7-2B
- _____ Using the Mini-Lab, *TWE*, p. 273
- _____ ⇨ *Teacher's Guide for Overhead Manipulative Resources*, Mini-Lab for Lesson 7-2
- _____ In-Class Examples, *TWE*, p. 273
- _____ ⇨ *Study Guide Masters*, p. 50
- _____ Reteaching the Lesson, *TWE*, p. 274
- _____ Error Analysis, *TWE*, p. 274
- _____ ⇨ *Transition Booklet*, pp. 29-32
- _____ ⇨ *CD-ROM Program*, Resource Lesson 7-2, Interactive Lesson 7-2
- _____ ⇨ *Interactive Mathematics Tools Software*

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 274

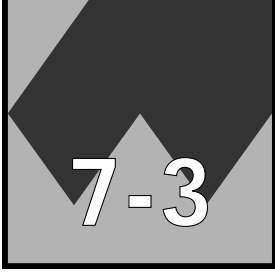
Homework Assignments (pp. 274-275)	
_____ Core: 13-33 odd, 35-39	_____ Enriched: 12-30 even, 32-39
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 586
- _____ ⇨ *Practice Masters*, p. 50

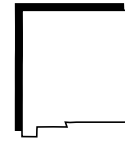
4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 275
- _____ Extending the Lesson, *TWE*, p. 275
- _____ ⇨ *Enrichment Masters*, p. 50

KEY	<i>SE</i> = Student Edition	<i>TWE</i> = Teacher's Wraparound Edition	⇨ = Other Program Components
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Lesson Planning Guide (pp. 276-279)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Add and subtract mixed numbers.

NCTM Standards:

1-7, 13

New Mexico Mathematics Performance Standards

Grades 5-8:

6-C-1, 7-E-1

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 276

_____ ⇨ Transparency 7-3A

_____ Motivating the Lesson, Communication, *TWE*, p. 276

2 TEACH

_____ ⇨ Transparency 7-3B

_____ Using Discussion, *TWE*, p. 276

_____ In-Class Examples, *TWE*, p. 277

_____ ⇨ *Study Guide Masters*, p. 51

_____ Reteaching the Lesson, *TWE*, p. 277

_____ ⇨ *Transition Booklet*, pp. 27-28

_____ ⇨ *CD-ROM Program*, Resource Lesson 7-3

3 PRACTICE/APPLY

_____ Check for Understanding, *SE*, pp. 277-278

Homework Assignments (pp. 278-279)

_____ Core: 13-37 odd, 39-44

_____ Enriched: 12-34 even, 36-44

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 586

_____ ⇨ *Practice Masters*, p. 51

4 ASSESS

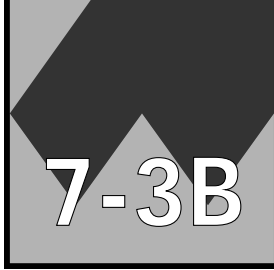
_____ Closing Activity, Writing, *TWE*, p. 279

_____ ⇨ *Assessment and Evaluation Masters*, Quiz A, p. 183

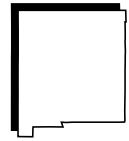
_____ Extending the Lesson, *TWE*, p. 279

_____ ⇨ *Enrichment Masters*, p. 51

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



Lesson Planning Guide (pp. 280-281)



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

Objectives

_____ Solve problems by eliminating possibilities.

1 FOCUS

_____ Getting Started, *TWE*, p. 280

2 TEACH

_____ In-Class Examples, *TWE*, p. 280

_____ Reteaching the Lesson, *TWE*, p. 280

3 PRACTICE/APPLY

_____ Check for Understanding, *TWE*, p. 281

NCTM Standards: 1-7
New Mexico Mathematics Performance Standards Grades 5-8: 1-A-1, 1-F-1, 3-A-1, 3-C-1, 3-D-1, 7-B-1

Homework Assignments (p. 281)

_____ All: 7-12

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 587

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

4 ASSESS

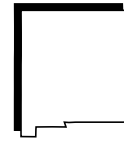
_____ Closing Activity, Writing, *TWE*, p. 281

_____ Extending the Lesson, *TWE*, p. 281

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



Lesson Planning Guide (pp. 282-283)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Use models to multiply fractions and mixed numbers.

MANAGEMENT

_____ Getting Started, *TWE*, p. 282

ASSESS

_____ *TWE*, p. 283

_____ ⇄ *Hands-On Lab Masters*, p. 52

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

Class Activity (p. 283)

_____ All: 1-7

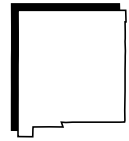
_____ Alternate Assignment: _____

_____ Math Journal, *TWE*, p. 282

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Lesson Planning Guide (pp. 284-287)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Multiply fractions and mixed numbers.

NCTM Standards: 1-7, 9, 13
New Mexico Mathematics Performance Standards Grades 5-8: 6-C-1

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 284
- _____ ⇨ Transparency 7-4A
- _____ Motivating the Lesson, Problem Solving, *TWE*, p. 284
- _____ Multiple Learning Styles, Visual/Spatial, *TWE*, p. 284

2 TEACH

- _____ ⇨ Transparency 7-4B
- _____ Thinking Algebraically, *TWE*, p. 285
- _____ In-Class Examples, *TWE*, p. 285
- _____ ⇨ *Study Guide Masters*, p. 52
- _____ Let the Games Begin, *SE*, p. 285
- _____ Reteaching the Lesson, *TWE*, p. 286
- _____ Error Analysis, *TWE*, p. 286
- _____ ⇨ *CD-ROM Program*, Resource Lesson 7-4, Interactive Lesson 7-4
- _____ ⇨ *Interactive Mathematics Tools Software*

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, pp. 285-286

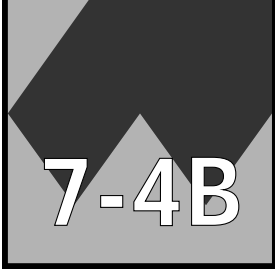
Homework Assignments (pp. 286-287)	
_____ Core: 13-35 odd, 37-42	_____ Enriched: 12-34 even, 35, 37-42
_____ Optional: 36 (Working on the Chapter Project)	
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 587
- _____ ⇨ *Practice Masters*, p. 52

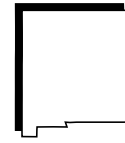
4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 287
- _____ Extending the Lesson, *TWE*, p. 287
- _____ ⇨ *Enrichment Masters*, p. 52
- _____ Mid-Chapter Self Test, *SE*, p. 287

KEY	<i>SE</i> = Student Edition	<i>TWE</i> = Teacher's Wraparound Edition	⇨ = Other Program Components
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Lesson Planning Guide (p. 288)



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

Objectives

_____ Examine fractal patterns by multiplying fractions and mixed numbers.

NCTM Standards:

2, 3, 5, 6, 8

New Mexico Mathematics Performance Standards

Grades 5-8:

1-F-2, 2-C-1, 9-B-1

MANAGEMENT

- _____ Getting Started, *TWE*, p. 288
- _____ ⇨ *Hands-On Lab Masters*, p. 14: square dot paper
- _____ ⇨ *Teacher's Guide for Overhead Manipulative Resources*, Lesson 7-4B
- _____ ⇨ *Overhead Manipulative Resources*: rectangular dot paper

ASSESS

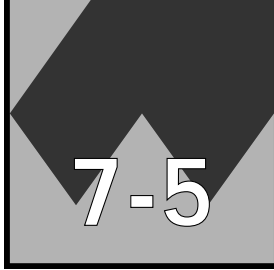
- _____ *TWE*, p. 288
- _____ ⇨ *Hands-On Lab Masters*, p. 53

Class Activity (p. 288)

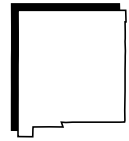
- _____ All: 1-5
- _____ Alternate Assignment: _____

_____ Math Journal, *TWE*, p. 288

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Lesson Planning Guide (pp. 289-291)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Change units in the customary system.

NCTM Standards: 1-5, 7, 13
New Mexico Mathematics Performance Standards Grades 5-8: 9-A-1, 9-B-1, 9-E-1

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 289
- _____ ⇨ Transparency 7-5A
- _____ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 289

2 TEACH

- _____ ⇨ Transparency 7-5B
- _____ Reading Mathematics, *TWE*, p. 289
- _____ In-Class Examples, *TWE*, p. 289
- _____ ⇨ *Study Guide Masters*, p. 53
- _____ Reteaching the Lesson, *TWE*, p. 290
- _____ ⇨ *Transition Booklet*, pp. 33-34
- _____ ⇨ *CD-ROM Program*, Resource Lesson 7-5

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 290

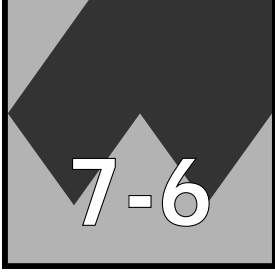
Homework Assignments (pp. 290-291)	
_____ Core: 11-35 odd, 36-40	_____ Enriched: 10-30 even, 32-40
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 587
- _____ ⇨ *Practice Masters*, p. 53

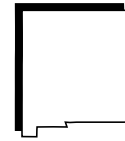
4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 291
- _____ ⇨ *Assessment and Evaluation Masters*, Mid-Chapter Test, p. 182
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz B, p. 183
- _____ Extending the Lesson, *TWE*, p. 291
- _____ ⇨ *Enrichment Masters*, p. 53

KEY	<i>SE</i> = Student Edition	<i>TWE</i> = Teacher's Wraparound Edition	⇨ = Other Program Components
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Lesson Planning Guide (pp. 292-295)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Find perimeter.

NCTM Standards:

1-7, 12, 13

New Mexico Mathematics Performance Standards

Grades 5-8:

7-E-3, 8-C-3, 9-A-1

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 292

_____ ⇨ Transparency 7-6A

_____ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 292

_____ Multiple Learning Styles, Kinesthetic, *TWE*, p. 292

2 TEACH

_____ ⇨ Transparency 7-6B

_____ Thinking Algebraically, *TWE*, p. 293

_____ In-Class Examples, *TWE*, p. 293

_____ ⇨ *Study Guide Masters*, p. 54

_____ Reteaching the Lesson, *TWE*, p. 293

_____ Error Analysis, *TWE*, p. 293

_____ ⇨ *CD-ROM Program*, Resource Lesson 7-6, Interactive Lesson 7-6

3 PRACTICE/APPLY

_____ Check for Understanding, *SE*, pp. 293-294

Homework Assignments (pp. 294-295)

_____ Core: 11-29 odd, 31-35

_____ Enriched: 10-26 even, 28-35

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 588

_____ ⇨ *Practice Masters*, p. 54

_____ ⇨ *Hands-On Lab Masters*, p. 78

_____ ⇨ *School to Career Masters*, p. 20

_____ School to Career Activity, *SE*, p. 296

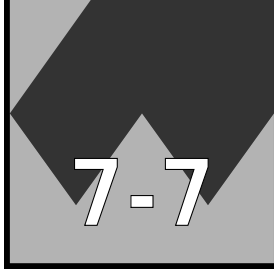
4 ASSESS

_____ Closing Activity, Modeling, *TWE*, p. 295

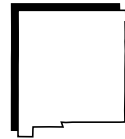
_____ Extending the Lesson, *TWE*, p. 295

_____ ⇨ *Enrichment Masters*, p. 54

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Lesson Planning Guide (pp. 297-300)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Find the circumference of circles.

NCTM Standards:

1-7, 9, 12, 13

New Mexico Mathematics Performance Standards

Grades 5-8:

8-C-3, 8-D-1

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 297

_____ ⇨ Transparency 7-7A

_____ Motivating the Lesson, Problem Solving, *TWE*, p. 297

2 TEACH

_____ ⇨ Transparency 7-7B

_____ Using the Mini-Lab, *TWE*, p. 298

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

_____ In-Class Examples, *TWE*, p. 298

_____ ⇨ *Study Guide Masters*, p. 55

_____ Reteaching the Lesson, *TWE*, p. 299

_____ Error Analysis, *TWE*, p. 299

_____ ⇨ *CD-ROM Program*, Resource Lesson 7-7, Extended Activity 7-7

3 PRACTICE/APPLY

_____ Check for Understanding, *SE*, p. 299

Homework Assignments (pp. 299-300)

_____ Core: 9-25 odd, 27-31

_____ Enriched: 10-22 even, 23-31

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 588

_____ ⇨ *Practice Masters*, p. 55

_____ ⇨ *Technology Masters*, Calculator Activity, p. 39

_____ ⇨ *Technology Masters*, Spreadsheet Activity, p. 40

_____ ⇨ *Diversity Masters*, p. 20

4 ASSESS

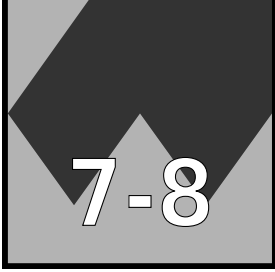
_____ Closing Activity, Speaking, *TWE*, p. 300

_____ ⇨ *Assessment and Evaluation Masters*, Quiz C, p. 184

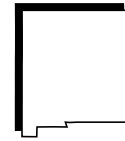
_____ Extending the Lesson, *TWE*, p. 300

_____ ⇨ *Enrichment Masters*, p. 55

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Lesson Planning Guide (pp. 301-304)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Use addition and multiplication properties to solve problems.

NCTM Standards:

1-7, 9

New Mexico Mathematics Performance Standards

Grades 5-8:

2-A-2, 6-B-2, 13-E-2

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 301
- _____ ⇨ Transparency 7-8A
- _____ Motivating the Lesson, Problem Solving, *TWE*, p. 301

2 TEACH

- _____ ⇨ Transparency 7-8B
- _____ Reading Mathematics, *TWE*, p. 302
- _____ In-Class Examples, *TWE*, p. 302
- _____ ⇨ *Study Guide Masters*, p. 56
- _____ Reteaching the Lesson, *TWE*, p. 303
- _____ ⇨ *CD-ROM Program*, Resource Lesson 7-8

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 303

Homework Assignments (p. 304)

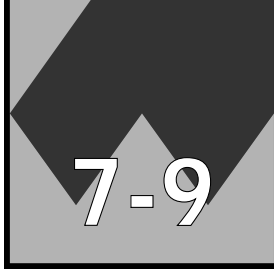
- _____ Core: 13-33 odd, 35-39
- _____ Enriched: 14-32 even, 33-39
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 588
- _____ ⇨ *Practice Masters*, p. 56

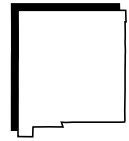
4 ASSESS

- _____ Closing Activity, Writing, *TWE*, p. 304
- _____ Extending the Lesson, *TWE*, p. 304
- _____ ⇨ *Enrichment Masters*, p. 56

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Lesson Planning Guide (pp. 305-307)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Divide fractions and mixed numbers.

NCTM Standards: 1-7, 13
New Mexico Mathematics Performance Standards Grades 5-8: 6-C-1, 7-A-1, 7-E-1

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 305
- _____ ⇨ Transparency 7-9A
- _____ Motivating the Lesson, Communication, *TWE*, p. 305

2 TEACH

- _____ ⇨ Transparency 7-9B
- _____ Using Logical Reasoning, *TWE*, p. 305
- _____ In-Class Examples, *TWE*, p. 306
- _____ ⇨ *Study Guide Masters*, p. 57
- _____ Reteaching the Lesson, *TWE*, p. 306
- _____ Error Analysis, *TWE*, p. 306
- _____ ⇨ *CD-ROM Program*, Resource Lesson 7-9

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 306

Homework Assignments (p. 307)

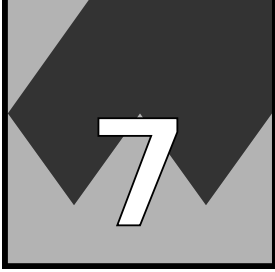
- _____ Core: 11-33 odd, 36-41 _____ Enriched: 12-32 even, 33, 34, 36-41
- _____ Optional: 35 (Working on the Chapter Project)
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 589
- _____ ⇨ *Practice Masters*, p. 57
- _____ ⇨ *Classroom Games*, pp. 21-22

4 ASSESS

- _____ Closing Activity, Writing, *TWE*, p. 307
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz D, p. 184
- _____ Extending the Lesson, *TWE*, p. 307
- _____ ⇨ *Enrichment Masters*, p. 57

KEY <i>SE</i> = Student Edition <i>TWE</i> = Teacher's Wraparound Edition ⇨ = Other Program Components
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_____ ⇔ *MindJogger Videoquizzes*, Chapter 7

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