

7 Applying Fractions



Chapter Pacing Guide

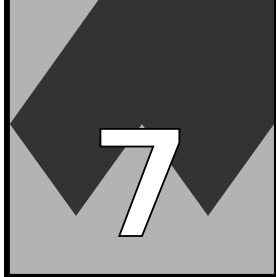
Please note that this pacing guide is based upon completing the entire text in 165 classes, approximately 50 minutes each. More time can be allotted for this chapter if you do not plan to teach the entire text.

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.
- _____ State/local objectives: _____

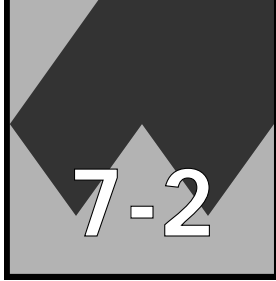
Theme: Stock Market

- _____ 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. 272-275)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Add and subtract fractions.
- _____ State/local objectives: _____

NCTM Standards: 1, 4, 6-10
South Carolina Math Curriculum Standards
Grade 7: NO I.E.1., NO I.F.1., NO III.A.1., NO III.C.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

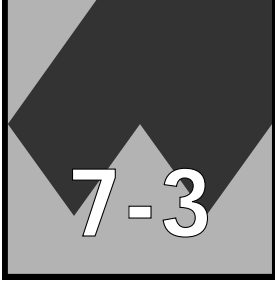
Homework Assignments (pp. 274-275)	
_____ Core: 13-33 odd, 35-39	_____ Enriched: 12-30 even, 32-39
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 586
- _____ ⇨ *Practice Masters*, p. 50
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 56

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.
- _____ State/local objectives: _____

NCTM Standards: 1, 4, 6-10
South Carolina Math Curriculum Standards Grade 7: NO I.E.1., NO III.A.1., NO III.C.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)

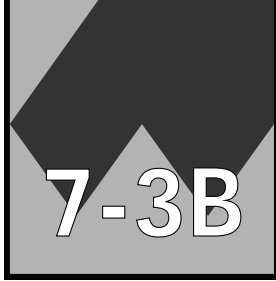
- _____ Core: 13-37 odd, 39-44 _____ Enriched: 12-34 even, 36-44
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 586
- _____ ⇨ *Practice Masters*, p. 51
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 57

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
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Lesson Planning Guide (pp. 280-281)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Solve problems by eliminating possibilities.
- _____ State/local objectives: _____

NCTM Standards:
1, 6-9

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

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.
- _____ State/local objectives: _____

NCTM Standards: 1, 6-10
South Carolina Math Curriculum Standards Grade 7: NO III.A.1.

MANAGEMENT

- _____ Getting Started, *TWE*, p. 282

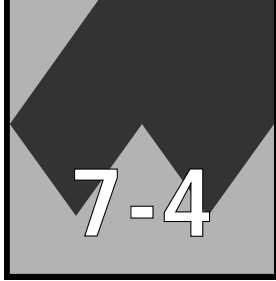
ASSESS

- _____ *TWE*, p. 283
- _____ ⇔ *Hands-On Lab Masters*, p. 52

Class Activity (p. 283)
_____ All: 1-7
_____ Alternate Assignment: _____

- _____ Math Journal, *TWE*, p. 282

KEY	SE = Student Edition	TWE = Teacher's Wraparound Edition	⇔ = Other Program Components
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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.
- _____ State/local objectives: _____

NCTM Standards: 1, 2, 4, 6-10
South Carolina Math Curriculum Standards
Grade 7: NO I.F.1., NO III.A.1., NO III.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

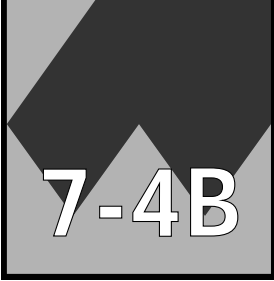
Homework Assignments (pp. 286-287)	
_____ Core: 13-35 odd, 37-42	_____ Enriched: 12-34 even, 35, 37-42
_____ Optional: 36 (Working on the Chapter Project)	
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 587
- _____ ⇨ *Practice Masters*, p. 52
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 58

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.
- _____ State/local objectives: _____

NCTM Standards: 1, 2, 7, 8, 10
South Carolina Math Curriculum Standards
Grade 7: ALG I.A.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

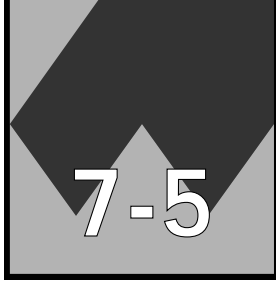
ASSESS

- _____ *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.
- _____ State/local objectives: _____

NCTM Standards: 1, 4, 6-10
South Carolina Math Curriculum Standards Grade 7: ALG I.A.1., MEA I.B.1., MEA I.B.2.

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

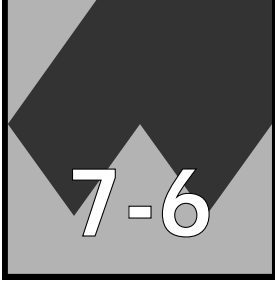
Homework Assignments (pp. 290-291)	
_____ Core: 11-35 odd, 36-40	_____ Enriched: 10-30 even, 32-40
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 587
- _____ ⇨ *Practice Masters*, p. 53
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 59

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

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Lesson Planning Guide (pp. 292-295)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Find perimeter.
- _____ State/local objectives: _____

NCTM Standards: 1, 3, 4, 6-10
South Carolina Math Curriculum Standards Grade 7: MEA I.B.2., MEA II.C.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)

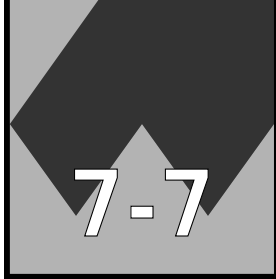
- _____ Core: 11-29 odd, 31-35
- _____ Enriched: 10-26 even, 28-35
- _____ Alternate Assignment: _____

- _____ 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
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 60

4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 295
- _____ Extending the Lesson, *TWE*, p. 295
- _____ ⇨ *Enrichment Masters*, p. 54

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



Lesson Planning Guide (pp. 297-300)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Find the circumference of circles.
- _____ State/local objectives: _____

NCTM Standards: 1-4, 6-10
South Carolina Math Curriculum Standards
Grade 7: MEA II.B.1., MEA II.C.1, MEA II.C.2., MEA II.C.3.

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

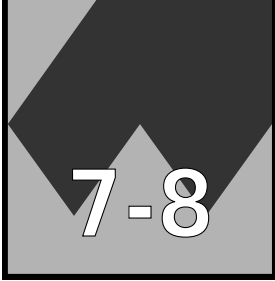
Homework Assignments (pp. 299-300)	
_____ Core: 9-25 odd, 27-31	_____ Enriched: 10-22 even, 23-31
_____ Alternate Assignment: _____	

- _____ 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
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 61

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

KEY	<i>SE</i> = Student Edition	<i>TWE</i> = Teacher's Wraparound Edition	⇨ = Other Program Components
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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.
- _____ State/local objectives: _____

NCTM Standards: 1, 2, 6-10
South Carolina Math Curriculum Standards
Grade 7: NO II.B.1., ALG II.D.1., MEA II.C.3.

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
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 62

4 ASSESS

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

KEY	SE = Student Edition	TWE = Teacher's Wraparound Edition	⇨ = Other Program Components
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Review and Assessment (pp. 308-313)



Teacher's Name _____ Dates _____

Grade _____ Class _____

Review M Tu W Th F
Testing M Tu W Th F

- _____ Study Guide and Assessment, *SE*, pp. 308-311
- _____ Standardized Test Practice, *SE*, pp. 312-313
- _____ Chapter Test, *SE*, p. 613

⇔ **Assessment and Evaluation Masters (pp. 169-187)**

Multiple-Choice Tests

Free-Response Tests

- | | |
|---|---------------------------------------|
| _____ Form 1A, 1B, or 1C, pp. 169-174 | _____ Form 2A, 2B, or 2C, pp. 175-180 |
| _____ Standardized Test Practice, pp. 185-186 | _____ Performance Assessment, p. 181 |
| | _____ Cumulative Review, p. 187 |

- _____ ⇔ *MindJogger Videoquizzes*, Chapter 7
- _____ ⇔ *Test and Review Software*
- _____ ⇔ *CD-ROM Assessment Game*
- _____ ⇔ *State Test Preparation CD-ROM*
- _____ ⇔ *South Carolina Parent and Student Study Guide Workbook*, p. 64
- _____ ⇔ *South Carolina PACT Workbook and Test Preparation, Grade 7*

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