

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.

<i>Day (Standard)</i>	<i>Day (Honors)</i>	<i>Lesson</i>	<i>Title</i>
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	Problem Solving Eliminate Possibilities
6, 7 & 8	6 & 7	*7-4A	Cooperative Learning Multiplying Fractions and Mixed Numbers
		7-4	Multiplying Fractions and Mixed Numbers
		*7-4B	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</i> <i>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>

7

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)

7-1

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, 6-10

Georgia Quality Core Curriculum:

Grade 7: 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
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_____ Optional: 51 (Working on the Chapter Project)

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 586

_____ ⇨ *Practice Masters*, p. 49

_____ Family Activity, *SE*, p. 271

_____ ⇨ *Georgia Parent and Student Study Guide Workbook*, p. 55

4 ASSESS

_____ Closing Activity, Speaking, *TWE*, p. 271

_____ Extending the Lesson, *TWE*, p. 271

_____ ⇨ *Enrichment Masters*, p. 49

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Lesson Planning Guide (pp. 272-275)

7-2

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Add and subtract fractions.

NCTM Standards:

1, 4, 6-10

Georgia Quality Core Curriculum:**Grade 7: 1, 14**

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

Lesson Planning Guide (pp. 276-279)

7-3

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Add and subtract mixed numbers.

NCTM Standards:

1, 4, 6-10

Georgia Quality Core Curriculum:

Grade 7: 1, 3, 14, 38

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

_____ ⇨ *Georgia 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

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7-3B

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, 6-9
Georgia Quality Core Curriculum: Grade 7: 1, 38

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

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Lesson Planning Guide (pp. 282-283)

7-4A

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, 6-10

Georgia Quality Core Curriculum:

Grade 7: 1, 14

Class Activity (p. 283)

_____ All: 1-7

_____ Alternate Assignment: _____

_____ Math Journal, *TWE*, p. 282

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Lesson Planning Guide (pp. 284-287)

7-4

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Multiply fractions and mixed numbers.

NCTM Standards:

1, 2, 4, 6-10

Georgia Quality Core Curriculum:

Grade 7: 1, 4, 7, 14, 38

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

_____ ⇨ *Georgia 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

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Lesson Planning Guide (p. 288)

7-4B

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Examine fractal patterns by multiplying fractions and mixed numbers.

NCTM Standards:
1, 2, 7, 8, 10
Georgia Quality Core Curriculum:
Grade 7: 1, 2

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)

7-5

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Change units in the customary system.

NCTM Standards:

1, 4, 6-10

Georgia Quality Core Curriculum:

Grade 7: 1, 25, 27, 38

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

_____ ⇨ *Georgia 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)

7-6

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Find perimeter.

NCTM Standards:

1, 3, 4, 6-10

Georgia Quality Core Curriculum:

Grade 7: 1, 24, 25, 38

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_____ ⇨ *Georgia 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

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Lesson Planning Guide (pp. 297-300)

7-7

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Find the circumference of circles.

NCTM Standards:

1-4, 6-10

Georgia Quality Core Curriculum:

Grade 7: 1, 24, 25, 38, 43

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

_____ ⇨ *Georgia 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

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Lesson Planning Guide (pp. 301-304)

7-8

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Use addition and multiplication properties to solve problems.

NCTM Standards:
1, 2, 6-10
Georgia Quality Core Curriculum:
Grade 7: 1, 7, 30, 38

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

_____ ⇨ *Georgia 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

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Lesson Planning Guide (pp. 305-307)

7-9

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Divide fractions and mixed numbers.

NCTM Standards:

1, 4, 6-10

Georgia Quality Core Curriculum:

Grade 7: 1, 7, 14, 38

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

_____ ⇨ *Georgia Parent and Student Study Guide Workbook*, p. 63

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

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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

- _____ Form 1A, 1B, or 1C, pp. 169-174
- _____ Standardized Test Practice, pp. 185-186

Free-Response Tests

- _____ Form 2A, 2B, or 2C, pp. 175-180
- _____ 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*
- _____ ⇔ *Georgia Parent and Student Study Guide Workbook*, p. 64
- _____ ⇔ *Georgia Stanford 9 Practice and Sample Test Workbook*

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