

6 Adding and Subtracting 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: Maps Trail to the Treasure Trove
2	2	6-1	Rounding Fractions and Mixed Numbers
3	3	6-2	Estimating Sums and Differences
4	4	6-2B	<small>THINKING LAB</small> Problem Solving Eliminate Possibilities
5	5	6-3	Adding and Subtracting Fractions with Like Denominators
6 & 7		*6-4A	<small>HANDS-ON LAB</small> Cooperative Learning Renaming Sums
	6	6-4	Adding and Subtracting Fractions with Unlike Denominators
8	7	6-5	Adding and Subtracting Mixed Numbers
9 & 10	8 & 9	6-6	Subtracting Mixed Numbers with Renaming
11	10	6-7	Integration: Measurement Adding and Subtracting Measures of Time
12	11	Review: Study Guide and Assessment	
13	12	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 <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 5 and 6</p>	<p>Applications <i>Family Letters and Activities</i>, pp. 11-12 <i>Spanish Family Letters and Activities</i>, pp. 11-12</p>



Chapter Project (pp. 226-227)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Create and draw a map for locating hidden treasure.
- _____ Provide instructions to find the treasure using the map.
- _____ State/local objectives: _____

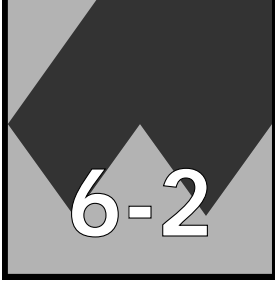
Theme: Maps

- _____ Chapter Project, *SE*, p. 227
- _____ Chapter 6 Notes, *TWE*, p. 226
- _____ Question of the Day, *TWE*, p. 226
- _____ ⇔ *Investigations and Projects Masters*, pp. 37-40

Homework Assignments

- _____ p. 231, Working on the Chapter Project, Exercise 34
- _____ p. 252, Working on the Chapter Project, Exercise 37
- _____ p. 261, Completing the Chapter Project, Alternative Assessment

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



Lesson Planning Guide (pp. 232-234)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Estimate sums and differences of fractions and mixed numbers.
- _____ State/local objectives: _____

NCTM Standards: 1, 3, 4, 6-9
South Carolina Math Curriculum Standards
Grade 6: NO III.C.1., GEO IV.E.1.

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 232
- _____ ⇨ Transparency 6-2A
- _____ Motivating the Lesson, Problem Solving, *TWE*, p. 232

2 TEACH

- _____ ⇨ Transparency 6-2B
- _____ Using Modeling, p. 232
- _____ In-Class Examples, *TWE*, p. 233
- _____ ⇨ *Study Guide Masters*, p. 43
- _____ Reteaching the Lesson, *TWE*, p. 233
- _____ ⇨ *CD-ROM Program*, Resource Lesson 6-2

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 233

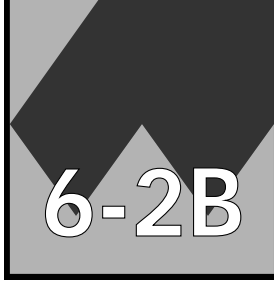
Homework Assignments (p. 234)	
_____ Core: 11-29 odd, 31-36	_____ Enriched: 12-26 even, 28-36
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 572
- _____ ⇨ *Practice Masters*, p. 43
- _____ School to Career Activity, *SE*, p. 235
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 48

4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 234
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz A, p. 155
- _____ Extending the Lesson, *TWE*, p. 234
- _____ ⇨ *Enrichment Masters*, p. 43

KEY	SE = Student Edition	TWE = Teacher's Wraparound Edition	⇨ = Other Program Components
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Lesson Planning Guide (pp. 236-237)



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
South Carolina Math Curriculum Standards
Grade 6: GEO IV.E.1.

1 FOCUS

- _____ Getting Started, *TWE*, p. 236

2 TEACH

- _____ In-Class Examples, *TWE*, p. 236
- _____ Reteaching the Lesson, *TWE*, p. 236

3 PRACTICE/APPLY

- _____ Check for Understanding, *TWE*, p. 237

Homework Assignments (p. 237)

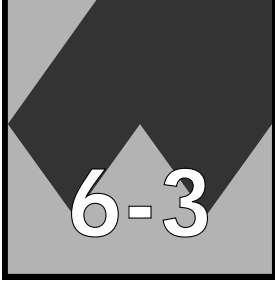
- _____ All: 4-15
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 573
- _____ Mixed Problem Solving, *SE*, pp. 593-594

4 ASSESS

- _____ Closing Activity, Writing, *TWE*, p. 237
- _____ Extending the Lesson, *TWE*, p. 237

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Lesson Planning Guide (pp. 238-241)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

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

NCTM Standards: 1, 3, 4, 6-10
South Carolina Math Curriculum Standards Grade 6: NO II.A.1., NO III.A.1., NO III.B.2., NO III.B.3., NO III.C.1.

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 238
- _____ ⇨ Transparency 6-3A
- _____ Motivating the Lesson, Communication, *TWE*, p. 238

2 TEACH

- _____ ⇨ Transparency 6-3B
- _____ Using the Mini-Lab, *TWE*, p. 239
- _____ ⇨ *Teacher's Guide for Overhead Manipulative Resources*, Mini-Lab for Lesson 6-3
- _____ In-Class Examples, *TWE*, p. 239
- _____ ⇨ *Study Guide Masters*, p. 44
- _____ Reteaching the Lesson, *TWE*, p. 240
- _____ Error Analysis, *TWE*, p. 240
- _____ ⇨ *CD-ROM Program*, Resource Lesson 6-3, Interactive Lesson 6-3
- _____ ⇨ *Interactive Mathematics Tools Software*

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 240

Homework Assignments (pp. 240-241)

- _____ Core: 11-31 odd, 32-36
- _____ Enriched: 12-28 even, 29-36
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 573
- _____ ⇨ *Practice Masters*, p. 44
- _____ ⇨ *Hands-On Lab Masters*, p. 74
- _____ ⇨ *Diversity Masters*, p. 6
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 49

4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 241
- _____ Extending the Lesson, *TWE*, p. 241
- _____ ⇨ *Enrichment Masters*, p. 44

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Lesson Planning Guide (p. 242)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Find common unit names for adding different objects.

_____ State/local objectives: _____

MANAGEMENT

_____ Getting Started, *TWE*, p. 242

ASSESS

_____ *TWE*, p. 242

_____ ⇔ *Hands-On Lab Masters*, p. 50

NCTM Standards: 5-8
South Carolina Math Curriculum Standards Grade 6: NO II.A.1., NO III.A.1., NO III.B.2., NO III.B.3.

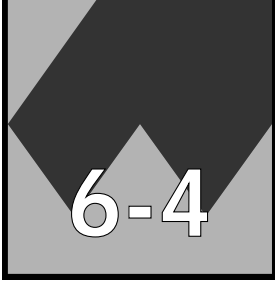
Class Activity (p. 242)

_____ All: 1-5

_____ Alternate Assignment: _____

_____ Math Journal, *TWE*, p. 242

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



Lesson Planning Guide (pp. 243-245)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

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

NCTM Standards: 1, 2, 6-10
South Carolina Math Curriculum Standards Grade 6: NO II.A.1., NO III.A.1., NO III.B.2., NO III.B.3., GEO IV.E.1.

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 243
- _____ ⇨ Transparency 6-4A
- _____ Motivating the Lesson, Communication, *TWE*, p. 243
- _____ Multiple Learning Styles, Auditory/Musical, *TWE*, p. 243

2 TEACH

- _____ ⇨ Transparency 6-4B
- _____ Using Graphs, *TWE*, p. 243
- _____ In-Class Examples, *TWE*, p. 244
- _____ ⇨ *Study Guide Masters*, p. 45
- _____ Reteaching the Lesson, *TWE*, p. 244
- _____ ⇨ *CD-ROM Program*, Resource Lesson 6-4

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 244

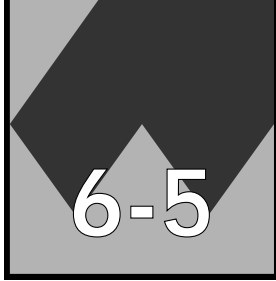
Homework Assignments (pp. 244-245)	
_____ Core: 11-33 odd, 35-40	_____ Enriched: 10-30 even, 32-40
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 573
- _____ ⇨ *Practice Masters*, p. 45
- _____ ⇨ *Technology Masters*, Graphing Calculator Activity, p. 12
- _____ Family Activity, *SE*, p. 245
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 50

4 ASSESS

- _____ Closing Activity, Writing, *TWE*, p. 245
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz B, p. 155
- _____ ⇨ *Assessment and Evaluation Masters*, Mid-Chapter Test, p. 154
- _____ Extending the Lesson, *TWE*, p. 245
- _____ ⇨ *Enrichment Masters*, p. 45

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Lesson Planning Guide (pp. 246-249)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Add and subtract mixed numbers.
- _____ State/local objectives: _____

NCTM Standards: 1, 3, 4, 6-10
South Carolina Math Curriculum Standards
Grade 6: NO II.A.1., NO III.A.1., NO III.B.2., NO III.B.3., NO III.C.1., GEO IV.E.1.

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 246
- _____ ⇨ Transparency 6-5A
- _____ Motivating the Lesson, Problem Solving, *TWE*, p. 246
- _____ Multiple Learning Styles, Naturalist, *TWE*, p. 246

2 TEACH

- _____ ⇨ Transparency 6-5B
- _____ Using the Mini-Lab, *TWE*, p. 247
- _____ ⇨ *Teacher's Guide for Overhead Manipulative Resources*, Mini-Lab for Lesson 6-5
- _____ In-Class Examples, *TWE*, p. 247
- _____ ⇨ *Study Guide Masters*, p. 46
- _____ Reteaching the Lesson, *TWE*, p. 248
- _____ ⇨ *CD-ROM Program*, Resource Lesson 6-5, Interactive Lesson 6-5

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 248

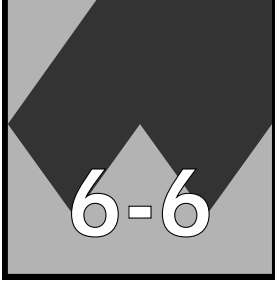
Homework Assignments (pp. 248-249)	
_____ Core: 13-31 odd, 32-36	_____ Enriched: 12-28 even, 29-36
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 574
- _____ ⇨ *Practice Masters*, p. 46
- _____ ⇨ *Classroom Games*, pp. 15-18
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 51

4 ASSESS

- _____ Closing Activity, Speaking, *TWE*, p. 249
- _____ Extending the Lesson, *TWE*, p. 249
- _____ ⇨ *Enrichment Masters*, p. 46
- _____ Mid-Chapter Self Test, *SE*, p. 249

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Lesson Planning Guide (pp. 250-253)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Subtract mixed numbers involving renaming.
- _____ State/local objectives: _____

NCTM Standards: 1, 2, 5-10
South Carolina Math Curriculum Standards Grade 6: NO II.A.1., NO III.A.1., NO III.B.2., NO III.B.3., GEO IV.E.1.

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 250
- _____ ⇨ Transparency 5-6A
- _____ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 250
- _____ Multiple Learning Styles, Verbal/Linguistic, *TWE*, p. 250

2 TEACH

- _____ ⇨ Transparency 6-6B
- _____ Thinking Algebraically, *TWE*, p. 251
- _____ In-Class Examples, *TWE*, p. 251
- _____ ⇨ *Study Guide Masters*, p. 47
- _____ Reteaching the Lesson, *TWE*, p. 251
- _____ ⇨ *CD-ROM Program*, Resource Lesson 6-6, Interactive Lesson 6-6

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 251

Homework Assignments (pp. 252-253)

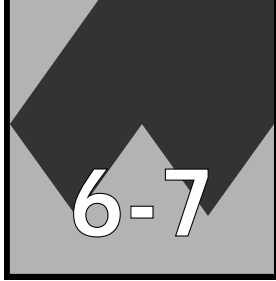
- _____ Core: 11-35 odd, 38-43 _____ Enriched: 12-34 even, 35, 36, 38-43
- _____ Optional: 37 (Working on the Chapter Project)
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 574
- _____ ⇨ *Practice Masters*, p. 47
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 52

4 ASSESS

- _____ Let the Games Begin, *SE*, p. 253
- _____ Closing Activity, Modeling, *TWE*, p. 253
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz C, p. 156
- _____ Extending the Lesson, *TWE*, p. 253
- _____ ⇨ *Enrichment Masters*, p. 47

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Lesson Planning Guide (pp. 254-257)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Add and subtract measures of time.
- _____ State/local objectives: _____

NCTM Standards:
1, 4, 6-10

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 254
- _____ ⇨ Transparency 6-7A
- _____ Motivating the Lesson, Problem Solving, *TWE*, p. 254

2 TEACH

- _____ ⇨ Transparency 6-7B
- _____ Reading Mathematics, *TWE*, p. 255
- _____ In-Class Examples, *TWE*, p. 255
- _____ ⇨ *Study Guide Masters*, p. 48
- _____ Reteaching the Lesson, *TWE*, p. 256
- _____ Error Analysis, *TWE*, p. 256
- _____ ⇨ *CD-ROM Program*, Resource Lesson 6-7

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, pp. 255-256

Homework Assignments (pp. 256-257)

_____ Core: 15-43 odd, 44-49 _____ Enriched: 14-40 even, 41-49

_____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 574
- _____ ⇨ *Practice Masters*, p. 48
- _____ ⇨ *Technology Masters*, Calculator Activity, p. 11
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 53

4 ASSESS

- _____ Closing Activity, Writing, *TWE*, p. 257
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz D, p. 156
- _____ Extending the Lesson, *TWE*, p. 257
- _____ ⇨ *Enrichment Masters*, p. 48

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



Review and Assessment (pp. 258-263)



Teacher's Name _____ Dates _____

Grade _____ Class _____

Review M Tu W Th F

Testing M Tu W Th F

_____ Study Guide and Assessment, *SE*, pp. 258-261

_____ Standardized Test Practice, *SE*, pp. 262-263

_____ Chapter Test, *SE*, p. 600

⇨ **Assessment and Evaluation Masters (pp. 141-159)**

Multiple-Choice Tests

_____ Form 1A, 1B, or 1C, pp. 141-146

_____ Standardized Test Practice,
pp. 157-158

Free-Response Tests

_____ Form 2A, 2B, or 2C, pp. 147-152

_____ Performance Assessment, p. 153

_____ Cumulative Review, p. 159

_____ ⇨ *MindJogger Videoquizzes*, Chapter 6

_____ ⇨ *Test and Review Software*

_____ ⇨ *CD-ROM Assessment Game*

_____ ⇨ *State Test Preparation CD-ROM*

_____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 54

_____ ⇨  *South Carolina PACT Workbook and Test Preparation, Grade 6*

Interdisciplinary Investigation, SE, pp. 264-265

_____ ⇨ *Interdisciplinary Investigation, TWE*, pp. 264-265

_____ ⇨ *Investigations and Projects Masters*, pp. 5-8

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