

7 Multiplying and Dividing 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: Flight Build a Paper Airplane
2	2	7-1	Estimating Products
3 & 4		*7-2A	<small>HANDS-ON LAB</small> Cooperative Learning Multiplying Fractions
	3	7-2	Multiplying Fractions
5	4	7-3	Multiplying Mixed Numbers
6	5	7-4	Integration: Geometry Circles and Circumference
7 & 8		*7-5A	<small>HANDS-ON LAB</small> Cooperative Learning Dividing Fractions
	6	7-5	Dividing Fractions
9	7	7-6	Dividing Mixed Numbers
10 & 11	8 & 9	7-7	Integration: Measurement Changing Customary Units
		*7-7B	<small>HANDS-ON LAB</small> Cooperative Learning Measurement
12	10	7-8A	<small>THINKING LAB</small> Problem Solving Look for a Pattern
13	11 & 12	7-8	Integration: Patterns and Functions Sequences
		*7-8B	<small>TECHNOLOGY LAB</small> Spreadsheets Sequences
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>, 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 11 and 12</p>	<p>Applications <i>Family Letters and Activities</i>, pp. 13-14 <i>Spanish Family Letters and Activities</i>, pp.13-14</p>



Chapter Project (pp. 266-267)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Learn to use multiplication and division of fractions to help them find flight distances and flight times of a paper airplane.
- _____ Be able to measure to the nearest quarter of a foot and round to the nearest second.
- _____ State/local objectives: _____

South Carolina Math Curriculum Standards

Grade 6: NO II.A.1., NO III.A.1., NO III.B.3.

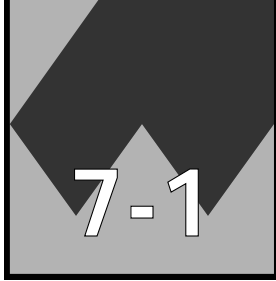
Theme: Flight

- _____ 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. 279, Working on the Chapter Project, Exercise 42
- _____ p. 291, Working on the Chapter Project, Exercise 42
- _____ p. 305, Completing the Chapter Project, Alternative Assessment

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



Lesson Planning Guide (pp. 268-270)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Estimate fraction products using compatible numbers and rounding.

_____ State/local objectives: _____

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

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 268

_____ ⇨ Transparency 7-1A

_____ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 268

_____ Cross-Curriculum Cue, *TWE*, p. 268

2 TEACH

_____ ⇨ Transparency 7-1B

_____ Using Manipulatives, *TWE*, p. 268

_____ In-Class Examples, *TWE*, p. 269

_____ ⇨ *Study Guide Masters*, p. 49

_____ Reteaching the Lesson, *TWE*, p. 269

_____ ⇨ *CD-ROM Program*, Resource Lesson 7-1

3 PRACTICE/APPLY

_____ Check for Understanding, *SE*, p. 269

Homework Assignments (p. 270)

_____ Core: 11-31 odd, 32-36

_____ Enriched: 12-28 even, 30-36

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 575

_____ ⇨ *Practice Masters*, p. 49

_____ Family Activity, *SE*, p. 270

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

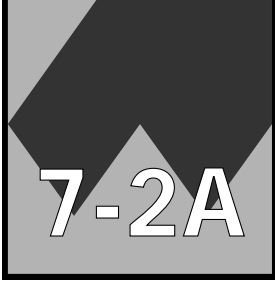
4 ASSESS

_____ Closing Activity, Speaking, *TWE*, p. 270

_____ Extending the Lesson, *TWE*, p. 270

_____ ⇨ *Enrichment Masters*, p. 49

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



Lesson Planning Guide (pp. 271-272)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Multiply fractions by using a geoboard.
- _____ State/local objectives: _____

NCTM Standards: 1, 3, 4, 6-8, 10
South Carolina Math Curriculum Standards Grade 6: NO II.A.1., NO III.A.1., NO III.B.2., NO III.B.3.

MANAGEMENT

- _____ Getting Started, *TWE*, p. 271
- _____ ⇨ *Hands-On Lab Masters*, p. 13: square dot paper
- _____ ⇨ *Teacher's Guide for Overhead Manipulative Resources*, Lesson 7-2A
- _____ ⇨ *Overhead Manipulative Resources*: geoboard, geobands

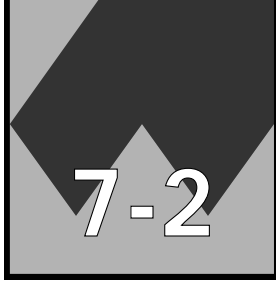
ASSESS

- _____ *TWE*, p. 272
- _____ ⇨ *Hands-On Lab Masters*, p. 51

Class Activity (pp. 271-272)
_____ All: 1-8 _____ Alternate Assignment: _____

- _____ Math Journal, *TWE*, p. 272

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Lesson Planning Guide (pp. 273-276)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Multiply fractions.
- _____ State/local objectives: _____

NCTM Standards: 1, 2, 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. 273
- _____ ⇨ Transparency 7-2A
- _____ Motivating the Lesson, Problem Solving, *TWE*, p. 273
- _____ Multiple Learning Styles, Logical, *TWE*, p. 273

2 TEACH

- _____ ⇨ Transparency 7-2B
- _____ Using Models, *TWE*, p. 274
- _____ In-Class Examples, *TWE*, p. 274
- _____ ⇨ *Study Guide Masters*, p. 50
- _____ Reteaching the Lesson, *TWE*, p. 275
- _____ ⇨ *CD-ROM Program*, Resource Lesson 7-2, Interactive Lesson 7-2
- _____ ⇨ *Interactive Mathematics Tools Software*

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 275

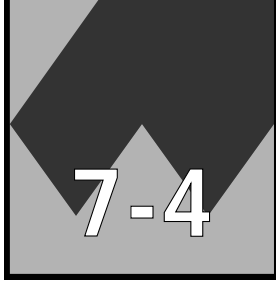
Homework Assignments (pp. 275-276)	
_____ Core: 13-35 odd, 36-40	_____ Enriched: 12-32 even, 34-40
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 575
- _____ ⇨ *Practice Masters*, p. 50
- _____ ⇨ *School to Career Masters*, p. 7
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 56

4 ASSESS

- _____ Let the Games Begin, *SE*, p. 276
- _____ Closing Activity, Writing, *TWE*, p. 276
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz A, p. 183
- _____ Extending the Lesson, *TWE*, p. 276
- _____ ⇨ *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. 280-283)



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 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., MEA I.C.2., MEA II.A.1.

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 280
- _____ ⇨ Transparency 7-4A
- _____ Motivating the Lesson, Problem Solving, *TWE*, p. 280

2 TEACH

- _____ ⇨ Transparency 7-4B
- _____ Using the Mini-Lab, *TWE*, p. 281
- _____ ⇨ *Teacher's Guide for Overhead Manipulative Resources*, Mini-Lab for Lesson 7-4
- _____ In-Class Examples, *TWE*, p. 281
- _____ ⇨ *Study Guide Masters*, p. 52
- _____ Reteaching the Lesson, *TWE*, p. 282
- _____ Error Analysis, *TWE*, p. 282
- _____ ⇨ *CD-ROM Program*, Resource Lesson 7-4, Extended Activity, 7-4

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 282

Homework Assignments (pp. 282-283)

- | | |
|-----------------------------------|-----------------------------------|
| _____ Core: 9-21 odd, 23-26 | _____ Enriched: 10-20 even, 21-26 |
| _____ Alternate Assignment: _____ | |

- _____ Extra Practice, *SE*, p. 576
- _____ ⇨ *Practice Masters*, p. 52
- _____ ⇨ *Hands-On Lab Masters*, p. 75
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 58

4 ASSESS

- _____ Closing Activity, Speaking, *TWE*, p. 283
- _____ ⇨ *Assessment and Evaluation Masters*, Mid-Chapter Test, p. 182
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz B, p. 183
- _____ Extending the Lesson, *TWE*, p. 283
- _____ ⇨ *Enrichment Masters*, p. 52
- _____ Mid-Chapter Self Test, *SE*, p. 283

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Lesson Planning Guide (p. 284)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Divide fractions by using a geoboard.
- _____ State/local objectives: _____

NCTM Standards: 1, 8, 10
South Carolina Math Curriculum Standards Grade 6: NO II.A.1., NO III.A.1., NO III.B.1., NO III.B.2., NO III.B.3.

MANAGEMENT

- _____ Getting Started, *TWE*, p. 284
- _____ ⇨ *Hands-On Lab Masters*, p. 13: square dot paper
- _____ ⇨ *Teacher's Guide for Overhead Manipulative Resources*, Lesson 7-5A
- _____ ⇨ *Overhead Manipulative Resources*: geoboard, geobands

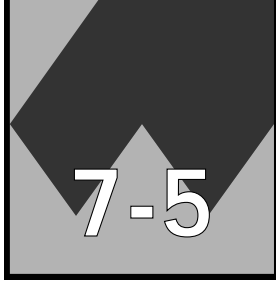
ASSESS

- _____ *TWE*, p. 284
- _____ ⇨ *Hands-On Lab Masters*, p. 52

Class Activity (p. 284)
_____ All: 1-5
_____ Alternate Assignment: _____

- _____ Math Journal, *TWE*, p. 284

KEY	SE = Student Edition	TWE = Teacher's Wraparound Edition	⇨ = Other Program Components
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Lesson Planning Guide (pp. 285-288)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Divide fractions.
- _____ 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.1., NO III.B.2., NO III.B.3., GEO IV.E.1.

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 285
- _____ ⇨ Transparency 7-5A
- _____ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 285
- _____ Multiple Learning Styles, Interpersonal, *TWE*, p. 285

2 TEACH

- _____ ⇨ Transparency 7-5B
- _____ Mastering Basic Skills, *TWE*, p. 286
- _____ In-Class Examples, *TWE*, p. 286
- _____ ⇨ *Study Guide Masters*, p. 53
- _____ Reteaching the Lesson, *TWE*, p. 287
- _____ Error Analysis, *TWE*, p. 287
- _____ ⇨ *CD-ROM Program*, Resource Lesson 7-5

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 287

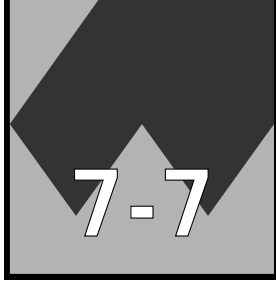
Homework Assignments (pp. 287-288)	
_____ Core: 15-43 odd, 45-50	_____ Enriched: 16-42 even, 43-50
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 576
- _____ ⇨ *Practice Masters*, p. 53
- _____ ⇨ *Technology Masters*, Graphing Calculator Activity, p. 14
- _____ ⇨ *Classroom Games*, pp. 19-20
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 59

4 ASSESS

- _____ Closing Activity, Writing, *TWE*, p. 288
- _____ Extending the Lesson, *TWE*, p. 288
- _____ ⇨ *Enrichment Masters*, p. 53

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Lesson Planning Guide (pp. 292-294)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Change units within the customary system.
- _____ State/local objectives: _____

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

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 292
- _____ ⇨ Transparency 7-7A
- _____ Motivating the Lesson, Communication, *TWE*, p. 292

2 TEACH


- _____ ⇨ Transparency 7-7B
- _____ Reading Mathematics, *TWE*, p. 293
- _____ In-Class Examples, *TWE*, p. 293
- _____ ⇨ *Study Guide Masters*, p. 55
- _____ Reteaching the Lesson, *TWE*, p. 293
- _____ ⇨ Transition Booklet, pp. 29-34
- _____ ⇨ *CD-ROM Program*, Resource Lesson 7-7

3 PRACTICE/APPLY

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

Homework Assignments (p. 294)

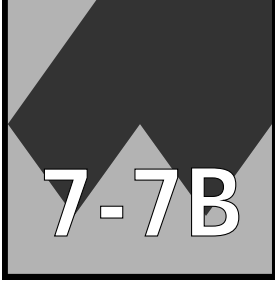
- _____ Core: 11-27 odd, 29-33
- _____ Enriched: 10-26 even, 27-33
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 577
- _____ ⇨ *Practice Masters*, p. 55
- _____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 61

4 ASSESS

- _____ Closing Activity, Writing, *TWE*, p. 294
- _____ Extending the Lesson, *TWE*, p. 294
- _____ ⇨ *Enrichment Masters*, p. 55

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Lesson Planning Guide (p. 295)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Compare weights.
- _____ State/local objectives: _____

NCTM Standards: 1, 4, 6-9
South Carolina Math Curriculum Standards Grade 6: NO II.A.1., NO III.B.3., MEA II.A.1.

MANAGEMENT

- _____ Getting Started, *TWE*, p. 295

ASSESS

- _____ *TWE*, p. 295
- _____ ⇔ *Hands-On Lab Masters*, p. 53

Class Activity (p. 295)
_____ All: 1-5
_____ Alternate Assignment: _____

- _____ Math Journal, *TWE*, p. 295

KEY	SE = Student Edition	TWE = Teacher's Wraparound Edition	⇔ = Other Program Components
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Lesson Planning Guide (pp. 296-297)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Solve problems by finding and extending a pattern.

_____ State/local objectives: _____

NCTM Standards: 1-4, 6-10
South Carolina Math Curriculum Standards
Grade 6: GEO IV.E.1., MEA I.C.2., MEA II.A.1.

1 FOCUS

_____ Getting Started, *TWE*, p. 296

2 TEACH

_____ In-Class Examples, *TWE*, p. 296

_____ Reteaching the Lesson, *TWE*, p. 296

3 PRACTICE/APPLY

_____ Check for Understanding, *TWE*, p. 297

Homework Assignments (p. 297)

_____ All: 5-13

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 577

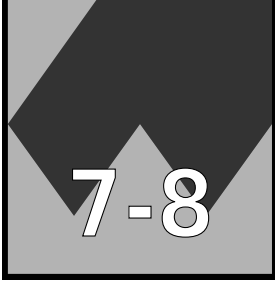
_____ Mixed Problem Solving, *SE*, pp. 593-594

4 ASSESS

_____ Closing Activity, Modeling, *TWE*, p. 297

_____ Extending the Lesson, *TWE*, p. 297

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



Lesson Planning Guide (pp. 298-300)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Recognize and extend sequences.
- _____ State/local objectives: _____

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

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 298
- _____ ⇨ Transparency 7-8A
- _____ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 298

2 TEACH

- _____ ⇨ Transparency 7-8B
- _____ Reading Mathematics, *TWE*, p. 298
- _____ In-Class Examples, *TWE*, p. 299
- _____ ⇨ *Study Guide Masters*, p. 56
- _____ Reteaching the Lesson, *TWE*, p. 299
- _____ ⇨ *CD-ROM Program*, Resource Lesson 7-8
- _____ ⇨ *Interactive Mathematics Tools Software*

3 PRACTICE/APPLY

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

Homework Assignments (p. 300)

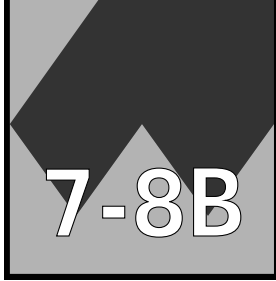
- | | |
|-----------------------------------|-----------------------------------|
| _____ Core: 9-23 odd, 25-28 | _____ Enriched: 10-22 even, 23-28 |
| _____ Alternate Assignment: _____ | |

- _____ Extra Practice, *SE*, p. 577
- _____ ⇨ *Practice Masters*, p. 56
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 62

4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 300
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz D, p. 184
- _____ Extending the Lesson, *TWE*, p. 300
- _____ ⇨ *Enrichment Masters*, p. 56

KEY	SE = Student Edition	TWE = Teacher's Wraparound Edition	⇨ = Other Program Components
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Lesson Planning Guide (p. 301)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Use a spreadsheet to extend sequences.
- _____ State/local objectives: _____

NCTM Standards: 1-4, 6-9
South Carolina Math Curriculum Standards Grade 6: NO II.A.1., ALG III.A.1.

MANAGEMENT

- _____ Getting Started, *TWE*, p. 301

ASSESS

- _____ *TWE*, p. 301

<i>Class Activity (p. 301)</i>
_____ All: 1-4 _____ Alternate Assignment: _____

- _____ Math Journal, *TWE*, p. 301

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Review and Assessment (pp. 302-307)



Teacher's Name _____ Dates _____

Grade _____ Class _____
Review M Tu W Th F
Testing M Tu W Th F

- _____ Study Guide and Assessment, *SE*, pp. 302-305
- _____ Standardized Test Practice, *SE*, pp. 306-307
- _____ Chapter Test, *SE*, p. 601



⇔ **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*
- _____ ⇔  *South Carolina Parent and Student Study Guide Workbook*, p. 63
- _____ ⇔  *South Carolina PACT Workbook and Test Preparation, Grade 6*

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