

# 6-1 Lesson Planning Guide



(pp. 274–279)

Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Materials/resources needed: \_\_\_\_\_

## Objectives

\_\_\_\_\_ 6-1.1: Write fractions as terminating or repeating decimals.

\_\_\_\_\_ 6-1.2: Compare rational numbers.

\_\_\_\_\_ **Georgia Quality Core Curriculum, Pre-Algebra: 1, 4, 5, 6**

## NCTM Curriculum Standards: 2, 3, 6-10

### 1 FOCUS

\_\_\_\_\_ 5-Minute Check, *TWE*, p. 274

\_\_\_\_\_ ⇨ Transparency 6-1A

\_\_\_\_\_ Motivating the Lesson, Questioning, *TWE*, p. 275

### 2 TEACH

\_\_\_\_\_ In-Class Examples, *TWE*, pp. 275, 276

\_\_\_\_\_ ⇨ Transparency 6-1B

\_\_\_\_\_ Reteaching, Hands-On Activity, *TWE*, p. 277

\_\_\_\_\_ ⇨ Study Guide Masters, p. 45

\_\_\_\_\_ Alternative Teaching Strategies, Student Diversity, *TWE*, p. 274

\_\_\_\_\_ Cooperative Learning, Group Discussion, *TWE*, p. 276

\_\_\_\_\_ ⇨ Interactive Mathematics Tools Software, 6-1

### 3 PRACTICE/APPLY

\_\_\_\_\_ Checking Your Understanding, *SE*, p. 277

\_\_\_\_\_ Error Analysis, *TWE*, p. 277

#### Homework Assignments

\_\_\_\_\_ Core: 15–47 odd, 49–57

\_\_\_\_\_ Enriched: 16–42 even, 43–57

\_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

\_\_\_\_\_ Extra Practice, *SE*, p. 753

\_\_\_\_\_ ⇨ Practice Masters, p. 45

\_\_\_\_\_ ⇨ Georgia Parent and Student Study Guide Workbook, p. 50

### 4 ASSESS

\_\_\_\_\_ Closing Activity, Writing, *TWE*, p. 279

\_\_\_\_\_ Extension, Using Models, *TWE*, p. 279

\_\_\_\_\_ ⇨ Enrichment Masters, p. 45

\_\_\_\_\_ ⇨ Activity Masters, p. 37

\_\_\_\_\_ ⇨ Group Activity Card 6-1

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# 6-2 Lesson Planning Guide



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Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Materials/resources needed: \_\_\_\_\_

## Objectives

- \_\_\_\_\_ 6-2: Estimate products and quotients of rational numbers.
- \_\_\_\_\_ **Georgia Quality Core Curriculum, Pre-Algebra: 1, 2**

## NCTM Curriculum Standards: 2, 3, 6-9

### 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 280
- \_\_\_\_\_ ⇨ Transparency 6-2A
- \_\_\_\_\_ Motivating the Lesson, Hands-On Activity, *TWE*, p. 280

### 2 TEACH

- \_\_\_\_\_ In-Class Examples, *TWE*, p. 281
- \_\_\_\_\_ ⇨ Transparency 6-2B
- \_\_\_\_\_ Reteaching, Using Logical Reasoning, *TWE*, p. 282
- \_\_\_\_\_ ⇨ Study Guide Masters, p. 46

### 3 PRACTICE/APPLY

- \_\_\_\_\_ Checking Your Understanding, *SE*, p. 282

#### Homework Assignments

- \_\_\_\_\_ Core: 15–37 odd, 38–44
- \_\_\_\_\_ Enriched: 16–32 even, 33–44
- \_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

- \_\_\_\_\_ Extra Practice, *SE*, p. 753
- \_\_\_\_\_ ⇨ Practice Masters, p. 46
- \_\_\_\_\_ ⇨ Georgia Parent and Student Study Guide Workbook, p. 51

### 4 ASSESS

- \_\_\_\_\_ Closing Activity, Writing, *TWE*, p. 283
- \_\_\_\_\_ Extension, Using Cooperative Groups, *TWE*, p. 283
- \_\_\_\_\_ ⇨ Enrichment Masters, p. 46
- \_\_\_\_\_ ⇨ Group Activity Card 6-2

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# 6-3 Lesson Planning Guide



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Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Materials/resources needed: \_\_\_\_\_

## Objectives

\_\_\_\_\_ 6-3: Multiply fractions.

\_\_\_\_\_ **Georgia Quality Core Curriculum, Pre-Algebra: 1, 7, 8, 17, 23**

## NCTM Curriculum Standards: 2, 3, 6-10

### 1 FOCUS

\_\_\_\_\_ 5-Minute Check, *TWE*, p. 284

\_\_\_\_\_ ⇨ Transparency 6-3A

\_\_\_\_\_ Motivating the Lesson, Hands-On Activity, *TWE*, p. 285

### 2 TEACH

\_\_\_\_\_ In-Class Examples, *TWE*, pp. 285, 286

\_\_\_\_\_ ⇨ Transparency 6-3B

\_\_\_\_\_ Reteaching, Using Problem Solving, *TWE*, p. 286

\_\_\_\_\_ ⇨ Study Guide Masters, p. 47

\_\_\_\_\_ Alternative Learning Styles, Auditory, *TWE*, p. 285

\_\_\_\_\_ ⇨ Math Lab and Modeling Math Masters, p. 63

### 3 PRACTICE/APPLY

\_\_\_\_\_ Checking Your Understanding, *SE*, p. 286

\_\_\_\_\_ Error Analysis, *TWE*, p. 287

#### Homework Assignments

\_\_\_\_\_ Core: 19–41 odd, 42–43, 45, 47–54

\_\_\_\_\_ Enriched: 18–40 even, 41–54

\_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

\_\_\_\_\_ Extra Practice, *SE*, p. 753

\_\_\_\_\_ ⇨ Practice Masters, p. 47

\_\_\_\_\_ ⇨ Tech Prep Applications Masters, p. 11

\_\_\_\_\_ ⇨  Georgia Parent and Student Study Guide Workbook, p. 52

### 4 ASSESS

\_\_\_\_\_ Closing Activity, Modeling, *TWE*, p. 288

\_\_\_\_\_ ⇨ Assessment and Evaluation Masters, Quiz A, p. 155

\_\_\_\_\_ Extension, Using Logical Reasoning, *TWE*, p. 288

\_\_\_\_\_ ⇨ Enrichment Masters, p. 47

\_\_\_\_\_ ⇨ Activity Masters, p. 20

\_\_\_\_\_ ⇨ Group Activity Card 6-3

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# 6-4 Lesson Planning Guide



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Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Materials/resources needed: \_\_\_\_\_

## Objectives

- \_\_\_\_\_ 6-4: Divide fractions using multiplicative inverses.
- \_\_\_\_\_ **Georgia Quality Core Curriculum, Pre-Algebra: 1, 17, 23**

## NCTM Curriculum Standards: 2-4, 6-10

### 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 289
- \_\_\_\_\_ ⇨ Transparency 6-4A
- \_\_\_\_\_ Motivating the Lesson, Situational Problem, *TWE*, p. 289

### 2 TEACH

- \_\_\_\_\_ In-Class Examples, *TWE*, pp. 290, 291
- \_\_\_\_\_ ⇨ Transparency 6-4B
- \_\_\_\_\_ Reteaching, Using Models, *TWE*, p. 291
- \_\_\_\_\_ ⇨ Study Guide Masters, p. 48
- \_\_\_\_\_ Alternative Learning Styles, Kinesthetic, *TWE*, p. 290

### 3 PRACTICE/APPLY

- \_\_\_\_\_ Checking Your Understanding, *SE*, p. 291

#### Homework Assignments

- \_\_\_\_\_ Core: 19–45 odd, 46, 47, 49–57
- \_\_\_\_\_ Enriched: 20–44 even, 46–57
- \_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

- \_\_\_\_\_ Extra Practice, *SE*, p. 754
- \_\_\_\_\_ ⇨ Practice Masters, p. 48
- \_\_\_\_\_ ⇨ Tech Prep Applications Masters, p. 12
- \_\_\_\_\_ ⇨ Georgia Parent and Student Study Guide Workbook, p. 53

### 4 ASSESS

- \_\_\_\_\_ Closing Activity, Writing, *TWE*, p. 293
- \_\_\_\_\_ Extension, Using Models, *TWE*, p. 293
- \_\_\_\_\_ ⇨ Enrichment Masters, p. 48
- \_\_\_\_\_ ⇨ Multicultural Activity Masters, p. 11
- \_\_\_\_\_ ⇨ Group Activity Card 6-4

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# 6-5 Lesson Planning Guide



(pp. 295–299)

Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Materials/resources needed: \_\_\_\_\_

## Objectives

- \_\_\_\_\_ 6-5: Multiply and divide decimals.
- \_\_\_\_\_ **Georgia Quality Core Curriculum, Pre-Algebra: 1, 2, 23**

## NCTM Curriculum Standards: 2, 3, 6-10

### 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 295
- \_\_\_\_\_ ⇨ Transparency 6-5A
- \_\_\_\_\_ Motivating the Lesson, Situational Problem, *TWE*, p. 295

### 2 TEACH


- \_\_\_\_\_ Math Lab 6-5A, *SE*, p. 294
- \_\_\_\_\_ In-Class Examples, *TWE*, pp. 296, 297
- \_\_\_\_\_ ⇨ Transparency 6-5B
- \_\_\_\_\_ Reteaching, Using Groups of Two, *TWE*, p. 298
- \_\_\_\_\_ ⇨ Study Guide Masters, p. 49
- \_\_\_\_\_ Alternative Learning Styles, Visual, *TWE*, p. 296
- \_\_\_\_\_ ⇨ Interactive Mathematics Tools Software, 6-5

### 3 PRACTICE/APPLY

- \_\_\_\_\_ Checking Your Understanding, *SE*, p. 297

#### Homework Assignments

- \_\_\_\_\_ Core: 19–49 odd, 50, 51, 53–62
- \_\_\_\_\_ Enriched: 18–48 even, 50–62
- \_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

- \_\_\_\_\_ Extra Practice, *SE*, p. 754
- \_\_\_\_\_ ⇨ Practice Masters, p. 49
- \_\_\_\_\_ ⇨  Georgia Parent and Student Study Guide Workbook, p. 54

### 4 ASSESS

- \_\_\_\_\_ Closing Activity, Modeling, *TWE*, p. 299
- \_\_\_\_\_ Self Test, *SE*, p. 299
- \_\_\_\_\_ ⇨ Assessment and Evaluation Masters, Quiz B, p. 155
- \_\_\_\_\_ ⇨ Assessment and Evaluation Masters, Mid-Chapter Test, p. 154
- \_\_\_\_\_ Extension, Using Consumer Connections, *TWE*, p. 299
- \_\_\_\_\_ ⇨ Enrichment Masters, p. 49
- \_\_\_\_\_ ⇨ Activity Masters, p. 6
- \_\_\_\_\_ ⇨ Group Activity Card 6-5

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# 6-6 Lesson Planning Guide



(pp. 301–306)

Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Materials/resources needed: \_\_\_\_\_

## Objectives

- \_\_\_\_\_ 6-6: Use the mean, median, and mode as measures of central tendency.
- \_\_\_\_\_ **Georgia Quality Core Curriculum, Pre-Algebra: 1, 29, 31, 48**

## NCTM Curriculum Standards: 1, 2, 5-10

### 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 301
- \_\_\_\_\_ ⇨ Transparency 6-6A
- \_\_\_\_\_ Motivating the Lesson, Questioning, *TWE*, p. 302

### 2 TEACH

- \_\_\_\_\_ Math Lab 6-6A, *SE*, p. 300
- \_\_\_\_\_ In-Class Examples, *TWE*, p. 303
- \_\_\_\_\_ ⇨ Transparency 6-6B
- \_\_\_\_\_ Reteaching, Using Models, *TWE*, p. 304
- \_\_\_\_\_ ⇨ Study Guide Masters, p. 50
- \_\_\_\_\_ ⇨ Interactive Mathematics Tools Software, 6-6
- \_\_\_\_\_ Math Lab 6-6B, *SE*, p. 307

### 3 PRACTICE/APPLY

- \_\_\_\_\_ Checking Your Understanding, *SE*, p. 304
- \_\_\_\_\_ Error Analysis, *TWE*, p. 305

#### Homework Assignments

- \_\_\_\_\_ Core: 9–25 odd, 26, 27, 29, 31–36
- \_\_\_\_\_ Enriched: 10–24 even, 26–36
- \_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

- \_\_\_\_\_ Extra Practice, *SE*, p. 754
- \_\_\_\_\_ ⇨ Practice Masters, p. 50
- \_\_\_\_\_ ⇨ Real-World Applications, 12
- \_\_\_\_\_ ⇨ Georgia Parent and Student Study Guide Workbook, p. 55

### 4 ASSESS

- \_\_\_\_\_ Closing Activity, Modeling, *TWE*, p. 306
- \_\_\_\_\_ Extension, Work Backward, *TWE*, p. 306
- \_\_\_\_\_ ⇨ Enrichment Masters, p. 50
- \_\_\_\_\_ ⇨ Multicultural Activity Masters, p. 12
- \_\_\_\_\_ ⇨ Group Activity Card 6-6

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# 6-7 Lesson Planning Guide



(pp. 308–311)

Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Materials/resources needed: \_\_\_\_\_

## Objectives

- \_\_\_\_\_ 6-7: Solve equations and inequalities containing rational numbers.
- \_\_\_\_\_ **Georgia Quality Core Curriculum, Pre-Algebra: 1, 19, 34, 35, 37**

## NCTM Curriculum Standards: 2-4, 6-9

### 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 308
- \_\_\_\_\_ ⇨ Transparency 6-7A
- \_\_\_\_\_ Motivating the Lesson, Questioning, *TWE*, p. 309

### 2 TEACH

- \_\_\_\_\_ In-Class Examples, *TWE*, pp. 309, 310
- \_\_\_\_\_ ⇨ Transparency 6-7B
- \_\_\_\_\_ Reteaching, Using Examples, *TWE*, p. 310
- \_\_\_\_\_ ⇨ Study Guide Masters, p. 51
- \_\_\_\_\_ ⇨ Math Lab and Modeling Math Masters, p. 64

### 3 PRACTICE/APPLY

- \_\_\_\_\_ Checking Your Understanding, *SE*, p. 310

#### Homework Assignments

- \_\_\_\_\_ Core: 13–35 odd, 37–42
- \_\_\_\_\_ Enriched: 12–32 even, 33–42
- \_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

- \_\_\_\_\_ Extra Practice, *SE*, p. 755
- \_\_\_\_\_ ⇨ Practice Masters, p. 51
- \_\_\_\_\_ ⇨ Real-World Applications, 13
- \_\_\_\_\_ ⇨ Georgia Parent and Student Study Guide Workbook, p. 56

### 4 ASSESS

- \_\_\_\_\_ Closing Activity, Modeling, *TWE*, p. 311
- \_\_\_\_\_ ⇨ Assessment and Evaluation Masters, Quiz C, p. 156
- \_\_\_\_\_ Extension, Using Partners, *TWE*, p. 311
- \_\_\_\_\_ ⇨ Enrichment Masters, p. 51
- \_\_\_\_\_ ⇨ Group Activity Card 6-7

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# 6-8 Lesson Planning Guide



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Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Materials/resources needed: \_\_\_\_\_

## Objectives

\_\_\_\_\_ 6-8.1: Recognize and extend geometric sequences.

\_\_\_\_\_ 6-8.2: Represent them algebraically.

\_\_\_\_\_ **Georgia Quality Core Curriculum, Pre-Algebra: 1**

## NCTM Curriculum Standards: 2, 3, 6-10

### 1 FOCUS

\_\_\_\_\_ 5-Minute Check, *TWE*, p. 312

\_\_\_\_\_ ⇨ Transparency 6-8A

\_\_\_\_\_ Motivating the Lesson, Hands-On Activity, *TWE*, p. 312

### 2 TEACH

\_\_\_\_\_ In-Class Examples, *TWE*, pp. 313, 314

\_\_\_\_\_ ⇨ Transparency 6-8B

\_\_\_\_\_ Reteaching, Using Cooperative Groups, *TWE*, p. 314

\_\_\_\_\_ ⇨ Study Guide Masters, p. 52

\_\_\_\_\_ ⇨ Graphing Calculator Masters, p. 6

\_\_\_\_\_ ⇨ Interactive Mathematics Tools Software, 6-8

### 3 PRACTICE/APPLY

\_\_\_\_\_ Checking Your Understanding, *SE*, p. 314

#### Homework Assignments

\_\_\_\_\_ Core: 15–37 odd, 39–46

\_\_\_\_\_ Enriched: 14–32 even, 33–46

\_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

\_\_\_\_\_ Extra Practice, *SE*, p. 755

\_\_\_\_\_ ⇨ Practice Masters, p. 52

\_\_\_\_\_ ⇨ Georgia Parent and Student Study Guide Workbook, p. 57

### 4 ASSESS

\_\_\_\_\_ Closing Activity, Speaking, *TWE*, p. 316

\_\_\_\_\_ Extension, Using Tables, *TWE*, p. 316

\_\_\_\_\_ ⇨ Enrichment Masters, p. 52

\_\_\_\_\_ ⇨ Group Activity Card 6-8

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# 6-9 Lesson Planning Guide



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Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Materials/resources needed: \_\_\_\_\_

## Objectives

\_\_\_\_\_ 6-9: Write numbers in scientific notation.

\_\_\_\_\_ **Georgia Quality Core Curriculum, Pre-Algebra: 1, 4, 6**

## NCTM Curriculum Standards: 2, 3, 6-9

### 1 FOCUS

\_\_\_\_\_ 5-Minute Check, *TWE*, p. 317

\_\_\_\_\_ ⇨ Transparency 6-9A

\_\_\_\_\_ Motivating the Lesson, Questioning,

*TWE*, p. 317

### 2 TEACH

\_\_\_\_\_ In-Class Examples, *TWE*, p. 318

\_\_\_\_\_ ⇨ Transparency 6-9B

\_\_\_\_\_ Reteaching, Using Models, *TWE*, p. 318

\_\_\_\_\_ ⇨ Study Guide Masters, p. 53

\_\_\_\_\_ Alternative Learning Styles, Visual,  
*TWE*, p. 317

\_\_\_\_\_ Cooperative Learning, Jigsaw,

*TWE*, p. 318

\_\_\_\_\_ ⇨ Math Lab and Modeling Math  
Masters, p. 81

### 3 PRACTICE/APPLY

\_\_\_\_\_ Checking Your Understanding, *SE*, p. 319

#### Homework Assignments

\_\_\_\_\_ Core: 15–37 odd, 38–43

\_\_\_\_\_ Enriched: 14–34 even, 35–43

\_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

\_\_\_\_\_ Extra Practice, *SE*, p. 755

\_\_\_\_\_ ⇨ Practice Masters, p. 53

\_\_\_\_\_ ⇨ Georgia Parent and Student Study Guide Workbook, p. 58

### 4 ASSESS

\_\_\_\_\_ Closing Activity, Speaking, *TWE*, p. 320

\_\_\_\_\_ ⇨ Assessment and Evaluation Masters,  
Quiz D, p. 156

\_\_\_\_\_ Extension, Using Science Connections,  
*TWE*, p. 319

\_\_\_\_\_ ⇨ Enrichment Masters, p. 53

\_\_\_\_\_ ⇨ Group Activity Card 6-9

### Review and Assessment Options

\_\_\_\_\_ Chapter 6 Highlights, *SE*, p. 321

\_\_\_\_\_ Chapter 6 Study Guide and Assessment,  
*SE*, pp. 322–324

\_\_\_\_\_ Chapter 6 Alternative Assessment, *SE*, p. 325

\_\_\_\_\_ Chapter 6 Test, *SE*, p. 779

\_\_\_\_\_ ⇨ Test and Review Software

\_\_\_\_\_ ⇨ MindJogger Videoquizzes, Chapter 6

\_\_\_\_\_ ⇨ State Test Preparation CD-ROM

\_\_\_\_\_ ⇨ Assessment and Evaluation Masters,  
Chapter 6 Tests, pp. 141–152;  
Performance Assessment, p. 153;  
Standardized Test Practice, p. 157;  
Cumulative Review, pp. 158–159

\_\_\_\_\_ ⇨ Georgia Parent and Student  
Study Guide Workbook, p. 59

\_\_\_\_\_ ⇨ Georgia Stanford 9 Practice  
and Sample Test Workbook

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