

# 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.

\_\_\_\_\_ **New Mexico Mathematics Performance Standards Grades 5-8: 2-A-2, 5-A-1, 5-B-1, 6-B-1**

## NCTM Curriculum Standards: 1–6, 8

### 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

### 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

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

# 6-2 Lesson Planning Guide (pp. 280–283)

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

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

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

## Objectives

- \_\_\_\_\_ 6-2: Estimate products and quotients of rational numbers.
- \_\_\_\_\_ **New Mexico Mathematics Performance Standards Grades 5-8: 1-E-1, 2-D-2, 3-D-1, 7-C-2, 7-E-1, 7-F-1**

## NCTM Curriculum Standards: 1–5, 7

### 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

### 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 (pp. 284–288)

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

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

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

## Objectives

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

\_\_\_\_\_ **New Mexico Mathematics Performance Standards Grades 5-8: 5-B-1, 6-A-1, 6-C-1, 7-A-1, 7-C-1, 7-F-1**

## NCTM Curriculum Standards: 1–5, 7

### 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

### 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 (pp. 289–293)

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

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

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

## Objectives

- \_\_\_\_\_ 6-4: Divide fractions using multiplicative inverses.
- \_\_\_\_\_ **New Mexico Mathematics Performance Standards Grades 5-8: 5-B-1, 6-C-1, 7-A-1, 7-C-1, 7-F-1**

## NCTM Curriculum Standards: 1–7, 9

### 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

### 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.
- \_\_\_\_\_ **New Mexico Mathematics Performance Standards Grades 5-8: 1-E-1, 2-D-2, 6-C-1, 7-A-1, 7-C-1, 7-F-1, 13-F-2**

## NCTM Curriculum Standards: 1–8

### 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

### 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.
- \_\_\_\_\_ **New Mexico Mathematics Performance Standards Grades 5-8: 10-B-2**

## NCTM Curriculum Standards: 1–5, 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

### 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.

## NCTM Curriculum Standards: 1-5, 8, 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

### 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 (pp. 312–316)

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.
- \_\_\_\_\_ **New Mexico Mathematics Performance Standards Grades 5-8: 1-B-1**

## NCTM Curriculum Standards: 1–5, 8

### 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

### 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 (pp. 317–320)

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

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

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

## Objectives

- \_\_\_\_\_ 6-9: Write numbers in scientific notation.
- \_\_\_\_\_ **New Mexico Mathematics Performance Standards Grades 5-8: 5-A-1**

## NCTM Curriculum Standards: 1–5, 7

### 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

### 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
- \_\_\_\_\_ ⇨ Assessment and Evaluation Masters, Chapter 6 Tests, pp. 141-152; Performance Assessment, p. 153; Standardized Test Practice, p. 157; Cumulative Review, pp. 158-159
- \_\_\_\_\_ ⇨ Test and Review Software
- \_\_\_\_\_ ⇨ *MindJogger Videoquizzes*, Chapter 6
- \_\_\_\_\_ ⇨ *State Test Preparation CD-ROM*

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