

# 5-1 Lesson Planning Guide (pp. 224–228)

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

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

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

## Objectives

\_\_\_\_\_ 5-1.1: Identify and compare rational numbers.

\_\_\_\_\_ 5-1.2: Rename decimals as fractions.

\_\_\_\_\_ **New Mexico Mathematics Performance Standards Grades 5-8: 2-A-2, 2-E-1, 4-B-1, 5-A-1, 6-B-1**

## NCTM Curriculum Standards: 1–6

### 1 FOCUS

\_\_\_\_\_ 5-Minute Check, *TWE*, p. 224

\_\_\_\_\_ ⇨ Transparency 5-1A

\_\_\_\_\_ Motivating the Lesson, Questioning, *TWE*, p. 225

### 2 TEACH

\_\_\_\_\_ In-Class Examples, *TWE*, pp. 225, 226

\_\_\_\_\_ ⇨ Transparency 5-1B

\_\_\_\_\_ Reteaching, Using Models, *TWE*, p. 227

\_\_\_\_\_ ⇨ Study Guide Masters, p. 36

\_\_\_\_\_ Alternative Teaching Strategies, Student Diversity, *TWE*, p. 224

\_\_\_\_\_ Cooperative Learning, Numbered Heads Together, *TWE*, p. 225

### 3 PRACTICE/APPLY

\_\_\_\_\_ Checking Your Understanding, *SE*, p. 227

#### Homework Assignments

\_\_\_\_\_ Core: 19–57 odd, 58–66

\_\_\_\_\_ Enriched: 18–52 even, 53–66

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

\_\_\_\_\_ Extra Practice, *SE*, p. 750

\_\_\_\_\_ ⇨ Practice Masters, p. 36

### 4 ASSESS

\_\_\_\_\_ Closing Activity, Writing, *TWE*, p. 228

\_\_\_\_\_ Extension, Using Manipulatives, *TWE*, p. 228

\_\_\_\_\_ ⇨ Enrichment Masters, p. 36

\_\_\_\_\_ ⇨ Group Activity Card 5-1

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

# 5-2 Lesson Planning Guide (pp. 229–233)

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

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

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

## Objectives

- \_\_\_\_\_ 5-2: Estimate sums and differences of decimals and fractions.
- \_\_\_\_\_ **New Mexico Mathematics Performance Standards Grades 5-8: 3-D-1, 7-B-1, 7-C-1, 7-C-2, 7-E-1, 7-F-1, 7-F-2**

## NCTM Curriculum Standards: 1–4, 7, 10

### 1 FOCUS

- \_\_\_\_\_ 5–Minute Check, *TWE*, p. 229
- \_\_\_\_\_ ⇨ Transparency 5-2A
- \_\_\_\_\_ Motivating the Lesson, Situational Problem, *TWE*, p. 230

### 2 TEACH

- \_\_\_\_\_ In-Class Examples, *TWE*, pp. 230, 231
- \_\_\_\_\_ ⇨ Transparency 5-2B
- \_\_\_\_\_ Reteaching, Using Mental Math, *TWE*, p. 230
- \_\_\_\_\_ ⇨ Study Guide Masters, p. 37

### 3 PRACTICE/APPLY

- \_\_\_\_\_ Checking Your Understanding, *SE*, p. 230
- \_\_\_\_\_ Error Analysis, *TWE*, p. 231

#### Homework Assignments

- \_\_\_\_\_ Core: 23–51 odd, 52–60
- \_\_\_\_\_ Enriched: 24–46 even, 47–60
- \_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

- \_\_\_\_\_ Extra Practice, *SE*, p. 751
- \_\_\_\_\_ ⇨ Practice Masters, p. 37
- \_\_\_\_\_ ⇨ Real-World Applications, 10
- \_\_\_\_\_ ⇨ Tech Prep Applications Masters, p. 9

### 4 ASSESS

- \_\_\_\_\_ Closing Activity, Speaking, *TWE*, p. 233
- \_\_\_\_\_ Extension, Using Graphs, *TWE*, p. 233
- \_\_\_\_\_ ⇨ Enrichment Masters, p. 37
- \_\_\_\_\_ ⇨ Group Activity Card 5-2

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# 5-3 Lesson Planning Guide (pp. 234–238)

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

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

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

## Objectives

\_\_\_\_\_ 5-3: Add and subtract decimals.

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

## NCTM Curriculum Standards: 1–4, 7

### 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 234
- \_\_\_\_\_ ⇨ Transparency 5-3A
- \_\_\_\_\_ Motivating the Lesson, Hands-On Activity, *TWE*, p. 234

### 2 TEACH

- \_\_\_\_\_ In-Class Examples, *TWE*, pp. 235, 236
- \_\_\_\_\_ ⇨ Transparency 5-3B
- \_\_\_\_\_ Reteaching, Using Manipulatives, *TWE*, p. 236
- \_\_\_\_\_ ⇨ Study Guide Masters, p. 38
- \_\_\_\_\_ ⇨ Interactive Mathematics Tools Software, 5–3

### 3 PRACTICE/APPLY

- \_\_\_\_\_ Checking Your Understanding, *SE*, p. 237

#### Homework Assignments

- \_\_\_\_\_ Core: 17–45 odd, 47–54
- \_\_\_\_\_ Enriched: 18–40 even, 41–54
- \_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

- \_\_\_\_\_ Extra Practice, *SE*, p. 751
- \_\_\_\_\_ ⇨ Practice Masters, p. 38

### 4 ASSESS

- \_\_\_\_\_ Closing Activity, Act It Out, *TWE*, p. 238
- \_\_\_\_\_ ⇨ Assessment and Evaluation Masters, Quiz A, p. 127
- \_\_\_\_\_ Extension, Using Logical Reasoning, *TWE*, p. 237
- \_\_\_\_\_ ⇨ Enrichment Masters, p. 38
- \_\_\_\_\_ ⇨ Activity Masters, p. 19
- \_\_\_\_\_ ⇨ Multicultural Activity Masters, p. 9
- \_\_\_\_\_ ⇨ Group Activity Card 5-3

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# 5-4 Lesson Planning Guide (pp. 239–243)

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

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

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

## Objectives

- \_\_\_\_\_ 5-4: Add and subtract fractions with like denominators.
- \_\_\_\_\_ **New Mexico Mathematics Performance Standards Grades 5-8: 6-A-1, 7-C-1, 7-F-1**

## NCTM Curriculum Standards: 1–4, 7, 10

### 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 239
- \_\_\_\_\_ ⇨ Transparency 5-4A
- \_\_\_\_\_ Motivating the Lesson, Situational Problem, *TWE*, p. 239

### 2 TEACH

- \_\_\_\_\_ In-Class Examples, *TWE*, p. 240
- \_\_\_\_\_ ⇨ Transparency 5-4B
- \_\_\_\_\_ Reteaching, Using Models, *TWE*, p. 241
- \_\_\_\_\_ ⇨ Study Guide Masters, p. 39
- \_\_\_\_\_ Alternative Learning Styles, Kinesthetic, *TWE*, p. 239
- \_\_\_\_\_ ⇨ Interactive Mathematics Tools Software, 5-4

### 3 PRACTICE/APPLY

- \_\_\_\_\_ Checking Your Understanding, *SE*, p. 241

#### Homework Assignments

- \_\_\_\_\_ Core: 13–41 odd, 42–48
- \_\_\_\_\_ Enriched: 12–34 even, 36–48
- \_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

- \_\_\_\_\_ Extra Practice, *SE*, p. 751
- \_\_\_\_\_ ⇨ Practice Masters, p. 39
- \_\_\_\_\_ ⇨ Tech Prep Applications Masters, p. 10

### 4 ASSESS

- \_\_\_\_\_ Closing Activity, Writing, *TWE*, p. 243
- \_\_\_\_\_ Extension, Using Patterns, *TWE*, p. 243
- \_\_\_\_\_ ⇨ Enrichment Masters, p. 39
- \_\_\_\_\_ ⇨ Activity Masters, p. 5
- \_\_\_\_\_ ⇨ Group Activity Card 5-4

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# 5-5 Lesson Planning Guide (pp. 244–247)

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

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

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

## Objectives

- \_\_\_\_\_ 5-5: Add and subtract fractions with unlike denominators.
- \_\_\_\_\_ **New Mexico Mathematics Performance Standards Grades 5-8: 6-A-1, 7-C-1, 7-F-1**

## NCTM Curriculum Standards: 1–4, 7

### 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 244
- \_\_\_\_\_ ⇨ Transparency 5-5A
- \_\_\_\_\_ Motivating the Lesson, Questioning, *TWE*, p. 244

### 2 TEACH

- \_\_\_\_\_ In-Class Examples, *TWE*, p. 245
- \_\_\_\_\_ ⇨ Transparency 5-5B
- \_\_\_\_\_ Reteaching, Using Manipulatives, *TWE*, p. 245
- \_\_\_\_\_ ⇨ Study Guide Masters, p. 40
- \_\_\_\_\_ Alternative Learning Styles, Visual, *TWE*, p. 244
- \_\_\_\_\_ ⇨ Graphing Calculator Masters, p. 5
- \_\_\_\_\_ ⇨ Interactive Mathematics Tools Software, 5-5.1, 5-5.2

### 3 PRACTICE/APPLY

- \_\_\_\_\_ Checking Your Understanding, *SE*, p. 245
- \_\_\_\_\_ Error Analysis, *TWE*, p. 246

#### Homework Assignments

- \_\_\_\_\_ Core: 13–39 odd, 40–47
- \_\_\_\_\_ Enriched: 14–36 even, 37–47
- \_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

- \_\_\_\_\_ Extra Practice, *SE*, p. 751
- \_\_\_\_\_ ⇨ Practice Masters, p. 40
- \_\_\_\_\_ ⇨ Real-World Applications, 11

### 4 ASSESS

- \_\_\_\_\_ Closing Activity, Modeling, *TWE*, p. 247
- \_\_\_\_\_ Self Test, *SE*, p. 247
- \_\_\_\_\_ ⇨ Assessment and Evaluation Masters, Quiz B, p. 127
- \_\_\_\_\_ ⇨ Assessment and Evaluation Masters, Mid-Chapter Test, p. 126
- \_\_\_\_\_ Extension, Make A Drawing, *TWE*, p. 246
- \_\_\_\_\_ ⇨ Enrichment Masters, p. 40
- \_\_\_\_\_ ⇨ Group Activity Card 5-5

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# 5-6 Lesson Planning Guide (pp. 248–250)

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

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

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

## Objectives

\_\_\_\_\_ 5-6: Solve equations with rational numbers.

## NCTM Curriculum Standards: 1–4, 7, 9

### 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 248
- \_\_\_\_\_ ⇨ Transparency 5-6A
- \_\_\_\_\_ Motivating the Lesson, Hands-On Activity, *TWE*, p. 248

### 2 TEACH

- \_\_\_\_\_ In-Class Examples, *TWE*, p. 249
- \_\_\_\_\_ ⇨ Transparency 5-6B
- \_\_\_\_\_ Reteaching, Using Properties, *TWE*, p. 249
- \_\_\_\_\_ ⇨ Study Guide Masters, p. 41

### 3 PRACTICE/APPLY

- \_\_\_\_\_ Checking Your Understanding, *SE*, p. 250

#### Homework Assignments

- \_\_\_\_\_ Core: 15–31 odd, 32, 33, 35, 37–43
- \_\_\_\_\_ Enriched: 14–30 even, 32–43
- \_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

- \_\_\_\_\_ Extra Practice, *SE*, p. 752
- \_\_\_\_\_ ⇨ Practice Masters, p. 41

### 4 ASSESS

- \_\_\_\_\_ Closing Activity, Speaking, *TWE*, p. 250
- \_\_\_\_\_ Extension, Using Lists, *TWE*, p. 250
- \_\_\_\_\_ ⇨ Enrichment Masters, p. 41
- \_\_\_\_\_ ⇨ Multicultural Activity Masters, p. 10
- \_\_\_\_\_ ⇨ Group Activity Card 5-6

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# 5-7 Lesson Planning Guide (pp. 251–254)

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

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

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

## Objectives

\_\_\_\_\_ 5-7: Solve inequalities with rational numbers.

\_\_\_\_\_ **New Mexico Mathematics Performance Standards Grades 5-8: 5-D-1, 13-E-1**

## NCTM Curriculum Standards: 1–4, 7, 9

### 1 FOCUS

\_\_\_\_\_ 5-Minute Check, *TWE*, p. 251

\_\_\_\_\_ ⇨ Transparency 5-7A

\_\_\_\_\_ Motivating the Lesson, Situational Problem, *TWE*, p. 251

### 2 TEACH

\_\_\_\_\_ In-Class Examples, *TWE*, p. 252

\_\_\_\_\_ ⇨ Transparency 5-7B

\_\_\_\_\_ Reteaching, Using Connections, *TWE*, p. 253

\_\_\_\_\_ ⇨ Study Guide Masters, p. 42

\_\_\_\_\_ Alternative Teaching Strategies, Reading Mathematics, *TWE*, p. 251

### 3 PRACTICE/APPLY

\_\_\_\_\_ Checking Your Understanding, *SE*, p. 253

#### Homework Assignments

\_\_\_\_\_ Core: 11–33 odd, 35–41

\_\_\_\_\_ Enriched: 12–28 even, 29–41

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

\_\_\_\_\_ Extra Practice, *SE*, p. 752

\_\_\_\_\_ ⇨ Practice Masters, p. 42

### 4 ASSESS

\_\_\_\_\_ Closing Activity, Modeling, *TWE*, p. 254

\_\_\_\_\_ ⇨ Assessment and Evaluation Masters, Quiz C, p. 128

\_\_\_\_\_ Extension, Using Logical Reasoning, *TWE*, p. 254

\_\_\_\_\_ ⇨ Enrichment Masters, p. 42

\_\_\_\_\_ ⇨ Group Activity Card 5-7

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# 5-8 Lesson Planning Guide (pp. 255–257)

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

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

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

## Objectives

- \_\_\_\_\_ 5-8: Use deductive and inductive reasoning.
- \_\_\_\_\_ **New Mexico Mathematics Performance Standards Grades 5-8: 1-A-1, 1-C-1, 1-D-1, 1-F-2, 3-A-1, 3-A-2, 3-C-1, 3-D-1**

## NCTM Curriculum Standards: 1–4, 6, 8

### 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 255
- \_\_\_\_\_ ⇨ Transparency 5-8A
- \_\_\_\_\_ Motivating the Lesson, Questioning, *TWE*, p. 256

### 2 TEACH

- \_\_\_\_\_ In-Class Examples, *TWE*, p. 256
- \_\_\_\_\_ ⇨ Transparency 5-8B
- \_\_\_\_\_ Reteaching, Using Lists, *TWE*, p. 256
- \_\_\_\_\_ ⇨ Study Guide Masters, p. 43

### 3 PRACTICE/APPLY

- \_\_\_\_\_ Checking Your Understanding, *SE*, p. 257

#### Homework Assignments

- \_\_\_\_\_ Core: 9–17 odd, 18–23
- \_\_\_\_\_ Enriched: 8–18 even, 19–23
- \_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

- \_\_\_\_\_ Extra Practice, *SE*, p. 752
- \_\_\_\_\_ ⇨ Practice Masters, p. 43

### 4 ASSESS

- \_\_\_\_\_ Closing Activity, Writing, *TWE*, p. 257
- \_\_\_\_\_ Extension, Using Connections, *TWE*, p. 257
- \_\_\_\_\_ ⇨ Enrichment Masters, p. 43
- \_\_\_\_\_ ⇨ Activity Masters, p. 35
- \_\_\_\_\_ ⇨ Group Activity Card 5-8

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# 5-9 Lesson Planning Guide (pp. 258–262)

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

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

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

## Objectives

\_\_\_\_\_ 5-9.1: Find the terms of arithmetic sequences.

\_\_\_\_\_ 5-9.2: Represent a sequence algebraically.

\_\_\_\_\_ **New Mexico Mathematics Performance Standards Grades 5-8: 1-B-1, 1-E-1, 2-A-3, 13-B-1**

## NCTM Curriculum Standards: 1–4, 7, 8

### 1 FOCUS

\_\_\_\_\_ 5-Minute Check, *TWE*, p. 258

\_\_\_\_\_ ⇨ Transparency 5-9A

\_\_\_\_\_ Motivating the Lesson, Hands-On Activity, *TWE*, p. 259

### 2 TEACH

\_\_\_\_\_ In-Class Examples, *TWE*, pp. 259, 260

\_\_\_\_\_ ⇨ Transparency 5-9B

\_\_\_\_\_ Reteaching, Using Manipulatives, *TWE*, p. 260

\_\_\_\_\_ ⇨ Study Guide Masters, p. 44

\_\_\_\_\_ Alternative Learning Styles, Auditory, *TWE*, p. 259

\_\_\_\_\_ Cooperative Learning, Send-A-Problem, *TWE*, p. 259

\_\_\_\_\_ ⇨ Math Lab and Modeling Math Masters, pp. 61, 62, 80

\_\_\_\_\_ ⇨ Interactive Mathematics Tools Software, 5-9

\_\_\_\_\_ Math Lab 5-9B, *SE*, p. 263

### 3 PRACTICE/APPLY

\_\_\_\_\_ Checking Your Understanding, *SE*, p. 260

\_\_\_\_\_ Error Analysis, *TWE*, p. 261

### Homework Assignments

\_\_\_\_\_ Core: 13–31 odd, 32, 33, 35, 37–42

\_\_\_\_\_ Enriched: 12–30 even, 32–42

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

\_\_\_\_\_ Extra Practice, *SE*, p. 752

\_\_\_\_\_ ⇨ Practice Masters, p. 44

### 4 ASSESS

\_\_\_\_\_ Closing Activity, Speaking, *TWE*, p. 262

\_\_\_\_\_ ⇨ Assessment and Evaluation Masters, Quiz D, p. 128

\_\_\_\_\_ ⇨ Enrichment Masters, p. 44

\_\_\_\_\_ Extension, Using Science Connections, *TWE*, p. 262

\_\_\_\_\_ ⇨ Activity Masters, p. 36

\_\_\_\_\_ ⇨ Group Activity Card 5-9

### Review and Assessment Options

\_\_\_\_\_ Chapter 5 Highlights, *SE*, p. 265

\_\_\_\_\_ Chapter 5 Study Guide and Assessment, *SE*, pp. 266-268

\_\_\_\_\_ Chapter 5 Alternative Assessment, *SE*, p. 269

\_\_\_\_\_ Chapter 5 Test, *SE*, p. 778

\_\_\_\_\_ ⇨ Assessment and Evaluation Masters, Chapter 5 Tests, pp. 113-124; Performance Assessment, p. 125; Standardized Test Practice, p. 129; Cumulative Review, pp. 130-131

\_\_\_\_\_ ⇨ Test and Review Software

\_\_\_\_\_ ⇨ *MindJogger Videoquizzes*, Chapter 5

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

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