

4-1 Lesson Planning Guide (pp. 170–174)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 4-1: Determine whether one number is a factor of another.

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

NCTM Curriculum Standards: 1–6, 8, 9

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 170

_____ ⇨ Transparency 4-1A

_____ Motivating the Lesson, Hands-On Activity, *TWE*, p. 171

2 TEACH

_____ In-Class Examples, *TWE*, pp. 171, 172

_____ ⇨ Transparency 4-1B

_____ Reteaching, Using Tables, *TWE*, p. 173

_____ ⇨ Study Guide Masters, p. 27

_____ Alternative Teaching Strategies, Student Diversity, *TWE*, p. 170

_____ ⇨ Math Lab and Modeling Math Masters, p. 79

3 PRACTICE/APPLY

_____ Checking Your Understanding, *SE*, p. 172

_____ Error Analysis, *TWE*, p. 173

Homework Assignments

_____ Core: 14–39 odd, 40–41, 43–50

_____ Enriched: 16–38 even, 40–50

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 748

_____ ⇨ Practice Masters, p. 27

4 ASSESS

_____ Closing Activity, Writing, *TWE*, p. 174

_____ Extension, Using Cooperative Groups, *TWE*, p. 174

_____ ⇨ Enrichment Masters, p. 27

_____ ⇨ Multicultural Activity Masters, p. 7

_____ ⇨ Group Activity Card 4-1

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4-2 Lesson Planning Guide (pp. 175–179)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 4-2: Use powers in expressions and equations.

_____ **New Mexico Mathematics Performance Standards Grades 5-8: 2-A-1, 2-B-1, 2-E-2, 4-C-2, 6-B-2, 9-A-1, 13-A-2, 13-D-1, 13-F-2**

NCTM Curriculum Standards: 1–8

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 175
- _____ ⇔ Transparency 4-2A
- _____ Motivating the Lesson, Situational Problem, *TWE*, p. 176

2 TEACH

- _____ In-Class Examples, *TWE*, pp. 176, 177
- _____ ⇔ Transparency 4-2B
- _____ Reteaching, Using Models, *TWE*, p. 177
- _____ ⇔ Study Guide Masters, p. 28
- _____ Alternative Learning Styles, Auditory, *TWE*, p. 175
- _____ Cooperative Learning, Trade-A-Problem, *TWE*, p. 176
- _____ Math Lab 4-2B, *SE*, p. 180

3 PRACTICE/APPLY

- _____ Checking Your Understanding, *SE*, p. 177

Homework Assignments

- _____ Core: 17–49 odd, 50–57
- _____ Enriched: 16–44 even, 45–57
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 748
- _____ ⇔ Practice Masters, p. 28

4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 179
- _____ Extension, Using Manipulatives, *TWE*, p. 178
- _____ ⇔ Enrichment Masters, p. 28
- _____ ⇔ Multicultural Activity Masters, p. 8
- _____ ⇔ Group Activity Card 4-2

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4-3 Lesson Planning Guide (pp. 181–183)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

- _____ 4-3: Solve problems by drawing diagrams.
- _____ **New Mexico Mathematics Performance Standards Grades 5-8: 7-B-1**

NCTM Curriculum Standards: 1–6, 8

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 181
- _____ ⇨ Transparency 4-3A
- _____ Motivating the Lesson, Questioning, *TWE*, p. 181

2 TEACH

- _____ In-Class Examples, *TWE*, p. 182
- _____ ⇨ Transparency 4-3B
- _____ Reteaching, Using Questioning, *TWE*, p. 182
- _____ ⇨ Study Guide Masters, p. 29
- _____ Alternative Learning Styles, Kinesthetic, *TWE*, p. 181

3 PRACTICE/APPLY

- _____ Checking Your Understanding, *SE*, p. 182

Homework Assignments

- _____ Core: 6–20
- _____ Enriched: 6–20
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 748
- _____ ⇨ Practice Masters, p. 29

4 ASSESS

- _____ Closing Activity, Speaking, *TWE*, p. 183
- _____ ⇨ Assessment and Evaluation Masters, Quiz A, p. 99
- _____ Extension, Using Models, *TWE*, p. 183
- _____ ⇨ Enrichment Masters, p. 29
- _____ ⇨ Group Activity Card 4-3

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4-4 Lesson Planning Guide (pp. 184–188)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

- _____ 4-4.1: Identify prime and composite numbers.
- _____ 4-4.2: Write the prime factorizations of composite numbers.
- _____ **New Mexico Mathematics Performance Standards Grades 5-8: 1-C-1, 1-D-1, 1-F-2, 3-C-1, 6-C-2, 6-D-1, 7-B-1**

NCTM Curriculum Standards: 1–6, 8

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 184
- _____ ⇨ Transparency 4-4A
- _____ Motivating the Lesson, Questioning, *TWE*, p. 184

2 TEACH

- _____ In-Class Examples, *TWE*, pp. 185, 186
- _____ ⇨ Transparency 4-4B
- _____ Reteaching, Using Discussion, *TWE*, p. 188
- _____ ⇨ Study Guide Masters, p. 30
- _____ Alternative Teaching Strategies, Student Diversity, *TWE*, p. 185
- _____ ⇨ Math Lab and Modeling Math Masters, p. 60
- _____ Math Lab 4-4B, *SE*, p. 189

3 PRACTICE/APPLY

- _____ Checking Your Understanding, *SE*, p. 187

Homework Assignments

- _____ Core: 15–43 odd, 45–52
- _____ Enriched: 14–38 even, 39–52
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 749
- _____ ⇨ Practice Masters, p. 30
- _____ ⇨ Real-World Applications, 8

4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 188
- _____ Extension, Using Logical Reasoning, *TWE*, p. 188
- _____ ⇨ Enrichment Masters, p. 30
- _____ ⇨ Activity Masters, p. 34
- _____ ⇨ Group Activity Card 4-4

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4-5 Lesson Planning Guide (pp. 190–194)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 4–5: Find the greatest common factor of two or more integers or monomials.

NCTM Curriculum Standards: 1–6, 8, 9

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 190
- _____ ⇨ Transparency 4-5A
- _____ Motivating the Lesson, Hands-On Activity, *TWE*, p. 190

2 TEACH

- _____ In-Class Examples, *TWE*, p. 191
- _____ ⇨ Transparency 4-5B
- _____ Reteaching, Using Calculators, *TWE*, p. 192
- _____ ⇨ Study Guide Masters, p. 31
- _____ Cooperative Learning, Inside-Outside Circle, *TWE*, p. 191
- _____ ⇨ Interactive Mathematics Tools Software, 4-5

3 PRACTICE/APPLY

- _____ Checking Your Understanding, *SE*, p. 192
- _____ Error Analysis, *TWE*, p. 193

Homework Assignments

- _____ Core: 13–35 odd, 36, 37, 39, 41–48
- _____ Enriched: 12–34 even, 36–48
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 749
- _____ ⇨ Practice Masters, p. 31

4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 194
- _____ Self Test, *SE*, p. 194
- _____ ⇨ Assessment and Evaluation Masters, Quiz B, p. 99
- _____ ⇨ Assessment and Evaluation Masters, Mid-Chapter Test, p. 98
- _____ Extension, (Using Cooperative Groups), *TWE*, p. 193
- _____ ⇨ Enrichment Masters, p. 31
- _____ ⇨ Group Activity Card 4-5

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4-6 Lesson Planning Guide (pp. 196–199)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

- _____ 4-6: Simplify fractions using the GCF.
- _____ **New Mexico Mathematics Performance Standards Grades 5-8: 5-C-1**

NCTM Curriculum Standards: 1–6

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 196
- _____ ⇨ Transparency 4-6A
- _____ Motivating the Lesson, Hands-On Activity, *TWE*, p. 196

2 TEACH

- _____ Math Lab 4-6A, *SE*, p. 195
- _____ In-Class Examples, *TWE*, p. 197
- _____ ⇨ Transparency 4-6B
- _____ Reteaching, Using Manipulatives, *TWE*, p. 197
- _____ ⇨ Study Guide Masters, p. 32
- _____ Alternative Learning Styles, Kinesthetic, *TWE*, p. 196
- _____ ⇨ Graphing Calculator Masters, p. 4

3 PRACTICE/APPLY

- _____ Checking Your Understanding, *SE*, p. 198
- _____ Error Analysis, *TWE*, p. 198

Homework Assignments

- _____ Core: 19–43 odd, 44, 45, 47–54
- _____ Enriched: 20–42 even, 44–54
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 749
- _____ ⇨ Practice Masters, p. 32

4 ASSESS

- _____ Closing Activity, Speaking, *TWE*, p. 199
- _____ Extension, Using Surveys, *TWE*, p. 199
- _____ ⇨ Enrichment Masters, p. 32
- _____ ⇨ Activity Masters, p. 4
- _____ ⇨ Group Activity Card 4-6

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

4-7 Lesson Planning Guide (pp. 200–204)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 4-7: Find the least common multiple of two or more numbers and compare fractions.

NCTM Curriculum Standards: 1–6, 9

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 200
- _____ ⇨ Transparency 4-7A
- _____ Motivating the Lesson, Situational Problem, *TWE*, p. 201

2 TEACH

- _____ In-Class Examples, *TWE*, pp. 201, 202
- _____ ⇨ Transparency 4-7B
- _____ Reteaching, Using Manipulatives, *TWE*, p. 202
- _____ ⇨ Study Guide Masters, p. 33

3 PRACTICE/APPLY

- _____ Checking Your Understanding, *SE*, p. 202
- _____ Error Analysis, *TWE*, p. 203

Homework Assignments

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

- _____ Extra Practice, *SE*, p. 749
- _____ ⇨ Practice Masters, p. 33
- _____ ⇨ Tech Prep Applications Masters, p. 7

4 ASSESS

- _____ Closing Activity, Act It Out, *TWE*, p. 204
- _____ ⇨ Assessment and Evaluation Masters, Quiz C, p. 100
- _____ Extension, Using Models, *TWE*, p. 204
- _____ ⇨ Enrichment Masters, p. 33
- _____ ⇨ Group Activity Card 4-7

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4-8 Lesson Planning Guide (pp. 205–209)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 4-8: Multiply and divide monomials.

_____ **New Mexico Mathematics Performance Standards Grades 5-8: 1-E-1, 2-C-1, 2-E-2**

NCTM Curriculum Standards: 1–9

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 205

_____ ⇨ Transparency 4-8A

_____ Motivating the Lesson, Situational Problem, *TWE*, p. 205

2 TEACH

_____ In-Class Examples, *TWE*, pp. 206, 207

_____ ⇨ Transparency 4-8B

_____ Reteaching, Using Calculators, *TWE*, p. 207

_____ ⇨ Study Guide Masters, p. 34

_____ Alternative Teaching Strategies, Reading Mathematics, *TWE*, p. 205

_____ ⇨ Interactive Mathematics Tools Software, 4-8

3 PRACTICE/APPLY

_____ Checking Your Understanding, *SE*, p. 207

_____ Error Analysis, *TWE*, p. 208

Homework Assignments

_____ Core: 15–43 odd, 44–45, 47–55

_____ Enriched: 14–42 even, 44–55

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 750

_____ ⇨ Practice Masters, p. 34

_____ ⇨ Real-World Applications, 9

_____ ⇨ Tech Prep Applications Masters, p. 8

4 ASSESS

_____ Closing Activity, Writing, *TWE*, p. 209

_____ Extension, Using Patterns, *TWE*, p. 208

_____ ⇨ Enrichment Masters, p. 34

_____ ⇨ Activity Masters, p. 18

_____ ⇨ Group Activity Card 4-8

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4-9 Lesson Planning Guide (pp. 210–214)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

- _____ 4-9: Use negative exponents in expressions and equations.
_____ **New Mexico Mathematics Performance Standards Grades 5-8: 1-B-3, 1-E-1, 2-C-1, 2-D-2, 2-E-1, 4-B-1, 13-D-1**

NCTM Curriculum Standards: 1–6, 9

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 210
_____ ⇨ Transparency 4-9A
_____ Motivating the Lesson, Questioning, *TWE*, p. 211

2 TEACH

- _____ In-Class Examples, *TWE*, pp. 211, 212
_____ ⇨ Transparency 4-9B
_____ Reteaching, Using Manipulatives, *TWE*, p. 212
_____ ⇨ Study Guide Masters, p. 35
_____ Alternative Learning Styles, Visual, *TWE*, p. 211

3 PRACTICE/APPLY

- _____ Checking Your Understanding, *SE*, p. 212
_____ Error Analysis, *TWE*, p. 213

Homework Assignments

- _____ Core: 13–39 odd, 4–48
_____ Enriched: 14–36 even, 37–48
_____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 750
_____ ⇨ Practice Masters, p. 35

4 ASSESS

- _____ Closing Activity, Speaking, *TWE*, p. 214
_____ ⇨ Assessment and Evaluation Masters, Quiz D, p. 100
_____ ⇨ Enrichment Masters, p. 35
_____ Extension, Using Manipulatives, *TWE*, p. 213
_____ ⇨ Group Activity Card 4-9

Review and Assessment Options

- _____ Chapter 4 Highlights, *SE*, p. 215
_____ Chapter 4 Study Guide and Assessment, *SE*, pp. 216-218
_____ Chapter 4 Alternative Assessment, *SE*, p. 219
_____ Chapter 4 Test, *SE*, p. 777
_____ ⇨ Assessment and Evaluation Masters, Chapter 4 Tests, pp. 85-96; Performance Assessment, p. 97; Standardized Test Practice, p. 101; Cumulative Review, pp. 102-103
_____ ⇨ Test and Review Software
_____ ⇨ *MindJogger VideoQuizzes*, Chapter 4
_____ ⇨ *State Test Preparation CD-ROM*

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