

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.

_____ State/local objectives: _____

NCTM Curriculum Standards: 2, 3, 6-10

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

_____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 30

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.
- _____ **South Carolina Math Curriculum Standards, Grade 8: NO III.C.1., ALG II.A.1., MEA II.F.1.**
- _____ State/local objectives: _____

NCTM Curriculum Standards: 2, 3, 6-10

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
- _____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 31

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.

_____ State/local objectives: _____

NCTM Curriculum Standards: 2, 3, 6-10

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

_____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 32

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.
- _____ State/local objectives: _____

NCTM Curriculum Standards: 2, 3, 6-10

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
- _____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 33

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.

_____ State/local objectives: _____

NCTM Curriculum Standards: 2, 3, 6-10

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

_____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 34

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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4-7 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.

_____ **South Carolina Math Curriculum Standards, Grade 8: NO I.B.1.**

_____ State/local objectives: _____

NCTM Curriculum Standards: 2, 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

_____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 36

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.

_____ State/local objectives: _____

NCTM Curriculum Standards: 2, 3, 6-10

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

_____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 37

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.

_____ **South Carolina Math Curriculum Standards, Grade 8: ALG II.A.1.**

_____ State/local objectives: _____

NCTM Curriculum Standards: 2, 6-10

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

_____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 38

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

_____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 39

_____ ⇨ *South Carolina PACT Workbook and Test Preparation, Grade 8*

_____ ⇨ Assessment and Evaluation Masters, Chapter 4 Tests, pp. 85–96; Performance Assessment,

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