

4-1 LESSON PLAN (pp. 108-109)

Teacher's Name _____ Date _____

Grade _____ Class _____ Dates _____ M Tu W Th F

Objectives

___ Identify factors of a whole number.

___ **New Mexico Mathematics Performance Standards Grades 9-12:** 3-D-1, 4-C-1, 6-B-1, 6-E-2

NCTM Curriculum Standards: 2

Pre-Lesson Activities

___ Select instructional options from the Teacher Planning Guide, TWE, 106B, 106C, and 106D

___ Materials/resources needed: _____

Starting the Class

___ 5-Minute Checkup, TWE, p. 108

INTRODUCING THE LESSON

___ Activity, SE, p. 107

___ Motivating activity or discussion, TWE, p. 108

TEACHING THE LESSON

___ ► Teaching Aid, Transparency 4-1

___ Using Models, TWE, p. 108

___ Chalkboard Examples, TWE, p. 109

EVALUATING THE LESSON

___ Check for Understanding, TWE, p. 109

___ Closing the Lesson, TWE, p. 109

___ ► Practice Masters Booklet, p. 36

RETEACHING THE LESSON

___ Reteaching activity, TWE, p. 108

___ ► Reteaching Masters Booklet, p. 33

APPLYING THE LESSON

___ Independent Practice, TWE, p. 109

Homework Assignments

___ Minimum: 2-40 even

___ Average: 1-30 odd; 31-40

___ Maximum: 1-40

___ Alternate Assignment:

EXTENDING THE LESSON

___ Critical Thinking, SE, p. 109

___ Enrichment, TWE, p. 109

___ ► Enrichment Masters Booklet, p. 33

KEY SE = Student Edition TWE = Teacher Wraparound Edition ► = Other Program Components

4-2 LESSON PLAN (pp. 110-111)

Teacher's Name _____ Date _____
Grade _____ Class _____ Dates _____ M Tu W Th F

Objectives

- ___ Write the prime factorization of a whole number.
___ **New Mexico Mathematics Performance Standards Grades 9-12:** 3-D-1, 6-B-1, 6-E-2

NCTM Curriculum Standards: 2, 3

Pre-Lesson Activities

- ___ Select instructional options from the Teacher Planning Guide, TWE, 106B, 106C, and 106D
___ Materials/resources needed: _____

Starting the Class

- ___ 5-Minute Checkup, TWE, p. 110 _____ Extra Practice, SE, p. 456, Lesson 4-1

INTRODUCING THE LESSON

- ___ Motivating activity or discussion, TWE, p. 110

TEACHING THE LESSON

- ___ ► Teaching Aid, Transparency 4-2
___ Using Discussion, TWE, p. 110
___ Chalkboard Examples, TWE, p. 111

EVALUATING THE LESSON

- ___ Check for Understanding, TWE, p. 111 _____ Closing the Lesson, TWE, p. 111
___ Error Analysis, TWE, p. 111 _____ ► Practice Masters Booklet, p. 37

RETEACHING THE LESSON

- ___ Reteaching activity, TWE, p. 110
___ ► Reteaching Masters Booklet, p. 34

APPLYING THE LESSON

- ___ Independent Practice, TWE, p. 111

Homework Assignments

- ___ Minimum: 1-55 odd; _____ Alternate Assignment:
___ Average: 2-40 even; 41-55
___ Maximum: 1-55

EXTENDING THE LESSON

- ___ Enrichment, TWE, p. 113 _____ ► Enrichment Masters Booklet, p. 34

KEY SE = Student Edition TWE = Teacher Wraparound Edition ► = Other Program Components

4-3 LESSON PLAN (pp. 112-113)

Teacher's Name _____ Date _____

Grade _____ Class _____ Dates _____ M Tu W Th F

Objectives

___ Find the greatest common factor and the least common multiple of two or more numbers.

___ **New Mexico Mathematics Performance Standards Grades 9-12:** 3-A-2, 6-B-1

NCTM Curriculum Standards: 2

Pre-Lesson Activities

___ Select instructional options from the Teacher Planning Guide, TWE, 106B, 106C, and 106D

___ Materials/resources needed: _____

Starting the Class

___ 5-Minute Checkup, TWE, p. 112

___ Extra Practice, SE, p. 457, Lesson 4-2

INTRODUCING THE LESSON

___ Motivating activity or discussion, TWE, p. 112

TEACHING THE LESSON

___ ► Teaching Aid, Transparency 4-3

___ Using Critical Thinking, TWE, p. 112

___ Chalkboard Examples, TWE, p. 113

EVALUATING THE LESSON

___ Check for Understanding, TWE, p. 113

___ Closing the Lesson, TWE, p. 113

___ ► Practice Masters Booklet, p. 38

RETEACHING THE LESSON

___ Reteaching activity, TWE, p. 112

___ ► Reteaching Masters Booklet, p. 35

APPLYING THE LESSON

___ Independent Practice, TWE, p. 113

Homework Assignments

___ Minimum: 1-39 odd;

___ Alternate Assignment:

___ Average: 2-30 even; 31-39

___ Maximum: 1-39

EXTENDING THE LESSON

___ Enrichment, TWE, p. 113

___ ► Enrichment Masters Booklet, p. 35

KEY SE = Student Edition TWE = Teacher Wraparound Edition ► = Other Program Components

4-4 LESSON PLAN (pp. 114-115)

Teacher's Name _____ Date _____
Grade _____ Class _____ Dates _____ M Tu W Th F

Objectives

- ___ Read an earnings statement.
- ___ **New Mexico Mathematics Performance Standards Grades 9-12: 2-A-1, 4-E-1**

NCTM Curriculum Standards: 2

Pre-Lesson Activities

- ___ Select instructional options from the Teacher Planning Guide, TWE, 106B, 106C, and 106D
- ___ Materials/resources needed: _____

Starting the Class

- ___ 5-Minute Checkup, TWE, p. 114
- ___ Extra Practice, SE, p. 457, Lesson 4-3

INTRODUCING THE LESSON

- ___ Motivating activity or discussion, TWE, p. 114

TEACHING THE LESSON

- ___ ► Teaching Aid, Transparency 4-4
- ___ Using Discussion, TWE, p. 114
- ___ Chalkboard Examples, TWE, p. 115

EVALUATING THE LESSON

- ___ Check for Understanding, TWE, p. 115
- ___ Closing the Lesson, TWE, p. 115
- ___ ► Practice Masters Booklet, p. 39

RETEACHING THE LESSON

- ___ Reteaching activity, TWE, p. 114
- ___ ► Reteaching Masters Booklet, p. 36

APPLYING THE LESSON

- ___ Independent Practice, TWE, p. 115

Homework Assignments

- ___ Minimum: 2-22 even
- ___ Average: 1-22
- ___ Maximum: 1-22
- ___ Alternate Assignment: _____

EXTENDING THE LESSON

- ___ Enrichment, TWE, p. 115
- ___ ► Enrichment Masters Booklet, p. 36

KEY SE = Student Edition TWE = Teacher Wraparound Edition ► = Other Program Components

4-5 LESSON PLAN (pp. 116-117)

Teacher's Name _____ Date _____

Grade _____ Class _____ Dates _____ M Tu W Th F

Objectives

___ Find fractions equivalent to given fractions.

NCTM Curriculum Standards: 2, 4, 5, 6

Pre-Lesson Activities

___ Select instructional options from the Teacher Planning Guide, TWE, 106B, 106C, and 106D

___ Materials/resources needed: _____

Starting the Class

___ 5-Minute Checkup, TWE, p. 116

INTRODUCING THE LESSON

___ Motivating activity or discussion, TWE, p. 116

TEACHING THE LESSON

___ ► Teaching Aid, Transparency 4-5

___ Using Discussion, TWE, p. 116

___ Chalkboard Examples, TWE, p. 117

EVALUATING THE LESSON

___ Check for Understanding, TWE, p. 117

___ Closing the Lesson, TWE, p. 117

___ Error Analysis, TWE, p. 117

___ ► Practice Masters Booklet, p. 40

RETEACHING THE LESSON

___ Reteaching activity, TWE, p. 116

___ ► Reteaching Masters Booklet, p. 37

APPLYING THE LESSON

___ Independent Practice, TWE, p. 117

Homework Assignments

___ Minimum: 2-44 even

___ Alternate Assignment: _____

___ Average: 1-35 odd; 37-44

___ Maximum: 1-44

EXTENDING THE LESSON

___ Critical Thinking, SE, p. 117

___ ► Enrichment Masters Booklet, p. 37

KEY SE = Student Edition TWE = Teacher Wraparound Edition ► = Other Program Components

4-6 LESSON PLAN (pp. 118-119)

Teacher's Name _____ Date _____
Grade _____ Class _____ Dates _____ M Tu W Th F

Objectives

- ___ Write fractions in simplest form.
- ___ **New Mexico Mathematics Performance Standards Grades 9-12: 3-D-1**

NCTM Curriculum Standards: 2, 4, 5

Pre-Lesson Activities

- ___ Select instructional options from the Teacher Planning Guide, TWE, 106B, 106C, and 106D
- ___ Materials/resources needed: _____

Starting the Class

- ___ 5-Minute Checkup, TWE, p. 118
- ___ Extra Practice, SE, p. 457, Lesson 4-5

INTRODUCING THE LESSON

- ___ Motivating activity or discussion, TWE, p. 118

TEACHING THE LESSON

- ___ ► Teaching Aid, Transparency 4-6
- ___ Using Critical Thinking, TWE, p. 118
- ___ Chalkboard Examples, TWE, p. 119

EVALUATING THE LESSON

- ___ Check for Understanding, TWE, p. 119
- ___ Closing the Lesson, TWE, p. 119
- ___ ► Practice Masters Booklet, p. 41

RETEACHING THE LESSON

- ___ Reteaching activity, TWE, p. 118
- ___ ► Reteaching Masters Booklet, p. 38

APPLYING THE LESSON

- ___ Independent Practice, TWE, p. 119

Homework Assignments

- ___ Minimum: 1-61 odd; 52
- ___ Average: 2-44 even; 45-61
- ___ Maximum: 1-61
- ___ Alternate Assignment: _____

EXTENDING THE LESSON

- ___ Critical Thinking, SE, p. 119
- ___ Enrichment, TWE, p. 119
- ___ ► Enrichment Masters Booklet, p. 38
- ___ Computer Applications, SE, p. 120
- ___ Making Consumer Connections, SE, p. 121

KEY SE = Student Edition TWE = Teacher Wraparound Edition ► = Other Program Components

4-7 LESSON PLAN (pp. 122-123)

Teacher's Name _____ Date _____

Grade _____ Class _____ Dates _____ M Tu W Th F

Objectives

___ Compare and order fractions.

___ **New Mexico Mathematics Performance Standards Grades 9-12:** 2-B-1, 5-B-1, 6-A-1

NCTM Curriculum Standards: 2

Pre-Lesson Activities

___ Select instructional options from the Teacher Planning Guide, TWE, 106B, 106C, and 106D

___ Materials/resources needed: _____

Starting the Class

___ 5-Minute Checkup, TWE, p. 122

___ Extra Practice, SE, p. 458, Lesson 4-6

INTRODUCING THE LESSON

___ Motivating activity or discussion, TWE, p. 122

TEACHING THE LESSON

___ ► Teaching Aid, Transparency 4-7

___ Using Models, TWE, p. 122

___ Chalkboard Examples, TWE, p. 123

EVALUATING THE LESSON

___ Check for Understanding, TWE, p. 123

___ Closing the Lesson, TWE, p. 123

___ Error Analysis, TWE, p. 123

___ ► Practice Masters Booklet, p. 42

RETEACHING THE LESSON

___ Reteaching activity, TWE, p. 122

___ ► Reteaching Masters Booklet, p. 39

APPLYING THE LESSON

___ Independent Practice, TWE, p. 123

Homework Assignments

___ Minimum: 2-50 even

___ Average: 2-36 even; 37-50

___ Maximum: 1-50

___ Alternate Assignment:

EXTENDING THE LESSON

___ Critical Thinking, SE, p. 123

___ ► Enrichment Masters Booklet, p. 39

Test and Review Options

___ ► Evaluation Masters Booklet, Quiz A, p. 19

KEY SE = Student Edition TWE = Teacher Wraparound Edition ► = Other Program Components

4-8 LESSON PLAN (pp. 124-125)

Teacher's Name _____ Date _____
Grade _____ Class _____ Dates _____ M Tu W Th F

Objectives

- ___ Change improper fractions to mixed numbers and vice versa.
___ **New Mexico Mathematics Performance Standards Grades 9-12:** 4-C-1, 13-C-1

NCTM Curriculum Standards: 2

Pre-Lesson Activities

- ___ Select instructional options from the Teacher Planning Guide, TWE, 106B, 106C, and 106D
___ Materials/resources needed: _____

Starting the Class

- ___ 5-Minute Checkup, TWE, p. 124 _____ Extra Practice, SE, p. 458, Lesson 4-7

INTRODUCING THE LESSON

- ___ Motivating activity or discussion, TWE, p. 124

TEACHING THE LESSON

- ___ ► Teaching Aid, Transparency 4-8
___ Using Manipulatives, TWE, p. 124
___ Chalkboard Examples, TWE, p. 125

EVALUATING THE LESSON

- ___ Check for Understanding, TWE, p. 125 _____ Closing the Lesson, TWE, p. 125
___ ► Practice Masters Booklet, p. 43

RETEACHING THE LESSON

- ___ Reteaching activity, TWE, p. 124
___ ► Reteaching Masters Booklet, p. 40

APPLYING THE LESSON

- ___ Independent Practice, TWE, p. 125

Homework Assignments

- ___ Minimum: 2-50 even _____ Alternate Assignment:
___ Average: 1-35 odd; 37-50
___ Maximum: 1-50

EXTENDING THE LESSON

- ___ Critical Thinking, SE, p. 125 Enrichment, TWE, p. 125
___ ► Enrichment Masters Booklet, p. 40

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4-9 LESSON PLAN (pp. 126-127)

Teacher's Name _____ Date _____

Grade _____ Class _____ Dates _____ M Tu W Th F

Objectives

___ Estimate the sum and difference of fractions.

___ **New Mexico Mathematics Performance Standards Grades 9-12:** 4-C-1, 5-A-1, 7-C-1

NCTM Curriculum Standards: 1

Pre-Lesson Activities

___ Select instructional options from the Teacher Planning Guide, TWE, 106B, 106C, and 106D

___ Materials/resources needed: _____

Starting the Class

___ 5-Minute Checkup, TWE, p. 126

___ Extra Practice, SE, p. 458, Lesson 4-8

INTRODUCING THE LESSON

___ Motivating activity or discussion, TWE, p. 126

TEACHING THE LESSON

___ ► Teaching Aid, Transparency 4-9

___ Using Cooperative Groups, TWE, p. 126

___ Chalkboard Examples, TWE, p. 127

EVALUATING THE LESSON

___ Check for Understanding, TWE, p. 127

___ Closing the Lesson, TWE, p. 127

___ ► Practice Masters Booklet, p. 44

RETEACHING THE LESSON

___ Reteaching activity, TWE, p. 126

___ ► Reteaching Masters Booklet, p. 41

APPLYING THE LESSON

___ Independent Practice, TWE, p. 127

Homework Assignments

___ Minimum: 1-45 odd

___ Average: 2-32 even; 33-45

___ Maximum: 1-45

___ Alternate Assignment:

EXTENDING THE LESSON

___ Enrichment, TWE, p. 127

___ ► Enrichment Masters Booklet, p. 41

KEY SE = Student Edition TWE = Teacher Wraparound Edition ► = Other Program Components

4-10 LESSON PLAN (pp. 128-129)

Teacher's Name _____ Date _____
Grade _____ Class _____ Dates _____ M Tu W Th F

Objectives

___ Add proper functions.

NCTM Curriculum Standards: 2

Pre-Lesson Activities

___ Select instructional options from the Teacher Planning Guide, TWE, 106B, 106C, and 106D

___ Materials/resources needed: _____

Starting the Class

___ 5-Minute Checkup, TWE, p. 128

___ Extra Practice, SE, p. 459, Lesson 4-9

INTRODUCING THE LESSON

___ Motivating activity or discussion, TWE, p. 128

TEACHING THE LESSON

___ ► Teaching Aid, Transparency 4-10

___ Using Models, TWE, p. 128

___ Chalkboard Examples, TWE, p. 129

EVALUATING THE LESSON

___ Check for Understanding, TWE, p. 129

___ Closing the Lesson, TWE, p. 129

___ Error Analysis, TWE, p. 129

___ ► Practice Masters Booklet, p. 45

RETEACHING THE LESSON

___ Reteaching activity, TWE, p. 128

___ ► Reteaching Masters Booklet, p. 42

APPLYING THE LESSON

___ Independent Practice, TWE, p. 129

Homework Assignments

___ Minimum: 1-37 odd; 38-45

___ Alternate Assignment:

___ Average: 2-32 even; 34-45

___ Maximum: 1-45

EXTENDING THE LESSON

___ Critical Thinking, SE, p. 129

___ ► Enrichment Masters Booklet, p. 42

KEY SE = Student Edition TWE = Teacher Wraparound Edition ► = Other Program Components

4-11 LESSON PLAN (pp. 130-131)

Teacher's Name _____ Date _____

Grade _____ Class _____ Dates _____ M Tu W Th F

Objectives

___ Add mixed numbers.

NCTM Curriculum Standards: 2

Pre-Lesson Activities

___ Select instructional options from the Teacher Planning Guide, TWE, 106B, 106C, and 106D

___ Materials/resources needed: _____

Starting the Class

___ 5-Minute Checkup, TWE, p. 130

___ Extra Practice, SE, p. 459, Lesson 4-10

INTRODUCING THE LESSON

___ Motivating activity or discussion, TWE, p. 130

TEACHING THE LESSON

___ ► Teaching Aid, Transparency 4-11

___ Using Models, TWE, p. 130

___ Chalkboard Examples, TWE, p. 131

EVALUATING THE LESSON

___ Check for Understanding, TWE, p. 131

___ Closing the Lesson, TWE, p. 131

___ ► Practice Masters Booklet, p. 46

RETEACHING THE LESSON

___ Reteaching activity, TWE, p. 130

___ ► Reteaching Masters Booklet, p. 43

APPLYING THE LESSON

___ Independent Practice, TWE, p. 131

Homework Assignments

___ Minimum: 1-37 odd

___ Alternate Assignment:

___ Average: 2-28 even; 30-37

___ Maximum: 1-37

EXTENDING THE LESSON

___ Critical Thinking, SE, p. 131

___ Enrichment, TWE, p. 131

___ ► Enrichment Masters Booklet, p. 43

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4-12 LESSON PLAN (pp. 132-133)

Teacher's Name _____ Date _____
Grade _____ Class _____ Dates _____ M Tu W Th F

Objectives

___ Subtract proper fractions.

Pre-Lesson Activities

___ Select instructional options from the Teacher Planning Guide, TWE, 106B, 106C, and 106D
___ Materials/resources needed: _____

Starting the Class

___ 5-Minute Checkup, TWE, p. 132 ___ Extra Practice, SE, p. 459, Lesson 4-11

INTRODUCING THE LESSON

___ Motivating activity or discussion, TWE, p. 132

TEACHING THE LESSON

___ ► Teaching Aid, Transparency 4-12
___ Using Critical Thinking, TWE, p. 132
___ Chalkboard Examples, TWE, p. 133

EVALUATING THE LESSON

___ Check for Understanding, TWE, p. 133 ___ Closing the Lesson, TWE, p. 133
___ Error Analysis, TWE, p. 133 ___ ► Practice Masters Booklet, p. 47

RETEACHING THE LESSON

___ Reteaching activity, TWE, p. 132
___ ► Reteaching Masters Booklet, p. 44

APPLYING THE LESSON

___ Independent Practice, TWE, p. 133

Homework Assignments

___ Minimum: 1-35 odd ___ Alternate Assignment:
___ Average: 2-30 even; 31-36
___ Maximum: 1-36

EXTENDING THE LESSON

___ Critical Thinking, SE, p. 133 ___ ► Enrichment Masters Booklet, p. 44

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4-13 LESSON PLAN (pp. 134-135)

Teacher's Name _____ Date _____

Grade _____ Class _____ Dates _____ M Tu W Th F

Objectives

____ Subtract mixed numbers.

Pre-Lesson Activities

____ Select instructional options from the Teacher Planning Guide, TWE, 106B, 106C, and 106D

____ Materials/resources needed: _____

Starting the Class

____ 5-Minute Checkup, TWE, p. 134

____ Extra Practice, SE, p. 460, Lesson 4-12

INTRODUCING THE LESSON

____ Motivating activity or discussion, TWE, p. 134

TEACHING THE LESSON

____ ► Teaching Aid, Transparency 4-13

____ Using Critical Thinking, TWE, p. 134

____ Chalkboard Examples, TWE, p. 135

EVALUATING THE LESSON

____ Check for Understanding, TWE, p. 135

____ Closing the Lesson, TWE, p. 135

____ Error Analysis, TWE, p. 135

____ ► Practice Masters Booklet, p. 48

RETEACHING THE LESSON

____ Reteaching activity, TWE, p. 134

____ ► Reteaching Masters Booklet, p. 45

APPLYING THE LESSON

____ Independent Practice, TWE, p. 135

Homework Assignments

____ Minimum: 2-44 even

____ Average: 1-37 odd; 38-44

____ Maximum: 1-44

____ Alternate Assignment:

EXTENDING THE LESSON

____ ► Enrichment Masters Booklet, p. 45

4-14 LESSON PLAN (pp. 136-137)

Teacher's Name _____ Date _____
Grade _____ Class _____ Dates _____ M Tu W Th F

Objectives

- ___ Solve verbal problems by making a drawing.
- ___ **New Mexico Mathematics Performance Standards Grades 9-12:** 1-C-2, 1-C-3, 2-A-2, 3-B-1, 3-B-2, 4-A-1, 7-A-1

NCTM Curriculum Standards: 1

Pre-Lesson Activities

- ___ Select instructional options from the Teacher Planning Guide, TWE, 106B, 106C, and 106D
- ___ Materials/resources needed: _____

Starting the Class

- ___ 5-Minute Checkup, TWE, p. 136
- ___ Extra Practice, SE, p. 460, Lesson 4-13

INTRODUCING THE LESSON

- ___ Motivating activity or discussion, TWE, p. 136

TEACHING THE LESSON

- ___ ► Teaching Aid, Transparency 4-14
- ___ Using Cooperative Groups, TWE, p. 136
- ___ Chalkboard Examples, TWE, p. 137

EVALUATING THE LESSON

- ___ Check for Understanding, TWE, p. 137
- ___ Error Analysis, TWE, p. 137
- ___ Closing the Lesson, TWE, p. 137
- ___ ► Practice Masters Booklet, p. 49

RETEACHING THE LESSON

- ___ Reteaching activity, TWE, p. 136

APPLYING THE LESSON

- ___ Independent Practice, TWE, p. 137

Homework Assignments

- ___ Minimum: 2-24 even
- ___ Average: 1-24
- ___ Maximum: 1-24
- ___ Alternate Assignment: _____

EXTENDING THE LESSON

- ___ Making Business Connections, SE, p. 141

Test and Review Options

- ___ Chapter Review, SE, pp. 138-139
- ___ Alternate Assessment Strategy, TWE, p. 139
- ___ ► Evaluation Masters Booklet, pp. 16-20
- ___ Chapter Test, SE, p. 140
- ___ Cumulative Review/Test, SE, pp. 142-143
- ___ ► Test Generator
- ___ ► Test and Review Software
- ___ ► State Test Preparation CD-ROM

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