

8-1 Lesson Planning Guide (pp. 372–377)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

- _____ 8-1: Use tables and graphs to represent relations and functions.
- _____ **New Mexico Mathematics Performance Standards Grades 5-8: 5-D-1, 12-B-1, 12-C-1, 13-C-1, 13-E-2**

NCTM Curriculum Standards: 1–4, 6, 8, 10, 12

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 372
- _____ ⇔ Transparency 8-1A
- _____ Motivating the Lesson, Questioning, *TWE*, p. 372

2 TEACH

- _____ In-Class Examples, *TWE*, pp. 373, 374
- _____ ⇔ Transparency 8-1B
- _____ Reteaching, Using Manipulatives, *TWE*, p. 374
- _____ ⇔ Study Guide Masters, p. 62
- _____ Alternative Learning Styles, Auditory, *TWE*, p. 372
- _____ Cooperative Learning, Formations, *TWE*, p. 373

3 PRACTICE/APPLY

- _____ Checking Your Understanding, *SE*, p. 374

Homework Assignments

- _____ Core: 17–43 odd, 44–51
- _____ Enriched: 16–38 even, 40–51
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 758
- _____ ⇔ Practice Masters, p. 62

4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 377
- _____ Extension, Using Cooperative Groups, *TWE*, p. 376
- _____ ⇔ Enrichment Masters, p. 62
- _____ ⇔ Group Activity Card 8-1

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

8-2 Lesson Planning Guide (pp. 379–384)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

- _____ 8-2: Construct and interpret scatter plots.
- _____ **New Mexico Mathematics Performance Standards Grades 5-8: 4-A-1, 10-B-2, 10-E-1, 12-C-1**

NCTM Curriculum Standards: 1–5, 8, 10

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 379
- _____ ⇔ Transparency 8-2A
- _____ Motivating the Lesson, Situational Problem, *TWE*, p. 380

2 TEACH

- _____ Math Lab 8-2A, *SE*, p. 378
- _____ In-Class Examples, *TWE*, p. 380
- _____ ⇔ Transparency 8-2B
- _____ Reteaching, Using Manipulatives, *TWE*, p. 381
- _____ ⇔ Study Guide Masters, p. 63
- _____ Alternative Teaching Strategies, Student Diversity, *TWE*, p. 379
- _____ ⇔ Interactive Mathematics Tools Software, 8-2

3 PRACTICE/APPLY

- _____ Checking Your Understanding, *SE*, p. 381
- _____ Error Analysis, *TWE*, p. 382

Homework Assignments

- _____ Core: 11–23 odd, 24, 25, 29–33
- _____ Enriched: 12–22 even, 23–33
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 758
- _____ ⇔ Practice Masters, p. 63
- _____ ⇔ Real-World Applications, 16

4 ASSESS

- _____ Closing Activity, Writing, *TWE*, p. 384
- _____ Extension, Using Cooperative Groups, *TWE*, p. 383
- _____ ⇔ Enrichment Masters, p. 63
- _____ ⇔ Multicultural Activity Masters, p. 15
- _____ ⇔ Group Activity Card 8-2

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8-3 Lesson Planning Guide (pp. 385–390)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 8-3.1: Find solutions for relations with two variables.

_____ 8-3.2: Graph the solutions.

_____ **New Mexico Mathematics Performance Standards Grades 5-8: 2-D-1, 5-D-1, 12-B-1, 12-D-1, 13-E-2**

NCTM Curriculum Standards: 1–5, 8, 9

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 385

_____ ⇨ Transparency 8-3A

_____ Motivating the Lesson, Situational Problem, *TWE*, p. 386

2 TEACH

_____ In-Class Examples, *TWE*, p. 386

_____ ⇨ Transparency 8-3B

_____ Reteaching, Using Lists, *TWE*, p. 387

_____ ⇨ Study Guide Masters, p. 64

_____ Cooperative Learning, Round Table, *TWE*, p. 388

_____ ⇨ Interactive Mathematics Tools Software, 8-3

_____ Math Lab 8-3B, *SE*, p. 391

3 PRACTICE/APPLY

_____ Checking Your Understanding, *SE*, p. 387

_____ Error Analysis, *TWE*, p. 389

Homework Assignments

_____ Core: 21–55 odd, 56–57, 59–70

_____ Enriched: 20–54 even, 56–70

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 759

_____ ⇨ Practice Masters, p. 64

4 ASSESS

_____ Closing Activity, Speaking, *TWE*, p. 390

_____ ⇨ Assessment and Evaluation Masters, Quiz A, p. 211

_____ Extension, Using Research, *TWE*, p. 390

_____ ⇨ Enrichment Masters, p. 64

_____ ⇨ Group Activity Card 8-3

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8-4 Lesson Planning Guide (pp. 392–395)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 8-4.1: Determine whether an equation represents a function.

_____ 8-4.2: Find functional values for a given function.

_____ **New Mexico Mathematics Performance Standards Grades 5-8: 12-B-1, 12-D-1, 13-C-1, 13-E-2**

NCTM Curriculum Standards: 1–5, 8, 9

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 392

_____ ⇨ Transparency 8-4A

_____ Motivating the Lesson, Situational Problem, *TWE*, p. 392

2 TEACH

_____ In-Class Examples, *TWE*, p. 393

_____ ⇨ Transparency 8-4B

_____ Reteaching, Using Tables, *TWE*, p. 394

_____ ⇨ Study Guide Masters, p. 65

_____ Alternative Learning Styles, Kinesthetic, *TWE*, p. 392

_____ ⇨ Graphing Calculator Masters, p. 8

_____ ⇨ Interactive Mathematics Tools Software, 8-4

3 PRACTICE/APPLY

_____ Checking Your Understanding, *SE*, p. 394

Homework Assignments

_____ Core: 13–31 odd, 32, 33, 35–40

_____ Enriched: 12–30 even, 32–40

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 759

_____ ⇨ Practice Masters, p. 65

4 ASSESS

_____ Closing Activity, Modeling, *TWE*, p. 395

_____ Extension, Using Connections, *TWE*, p. 395

_____ ⇨ Enrichment Masters, p. 65

_____ ⇨ Group Activity Card 8-4

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8-5 Lesson Planning Guide (pp. 396–399)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 8-5: Solve problems by using graphs.

_____ **New Mexico Mathematics Performance Standards Grades 5-8: 5-D-1, 7-B-1, 12-B-1, 12-D-1**

NCTM Curriculum Standards: 1–5, 8, 9, 12

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 396

_____ ⇄ Transparency 8-5A

_____ Motivating the Lesson, Questioning, *TWE*, p. 397

2 TEACH

_____ In-Class Examples, *TWE*, p. 397

_____ ⇄ Transparency 8-5B

_____ Reteaching, Using Questioning, *TWE*, p. 397

_____ ⇄ Study Guide Masters, p. 66

_____ Alternative Teaching Strategies, Reading Mathematics, *TWE*, p. 396

3 PRACTICE/APPLY

_____ Checking Your Understanding, *SE*, p. 398

_____ Error Analysis, *TWE*, p. 398

Homework Assignments

_____ Core: 6–17

_____ Enriched: 6–17

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 759

_____ ⇄ Practice Masters, p. 66

_____ ⇄ Tech Prep Applications Masters, p. 15

4 ASSESS

_____ Closing Activity, Speaking, *TWE*, p. 399

_____ Self Test, *SE*, p. 399

_____ ⇄ Assessment and Evaluation Masters, Quiz B, p. 211

_____ ⇄ Assessment and Evaluation Masters, Mid-Chapter Test, p. 210

_____ Extension, Business Application, *TWE*, p. 398

_____ ⇄ Enrichment Masters, p. 66

_____ ⇄ Activity Masters, p. 22

_____ ⇄ Group Activity Card 8-5

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8-6 Lesson Planning Guide (pp. 400–404)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 8-6: Find the slope of a line.

_____ **New Mexico Mathematics Performance Standards Grades 5-8: 5-D-1**

NCTM Curriculum Standards: 1–5, 8–10

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 400

_____ ⇨ Transparency 8-6A

_____ Motivating the Lesson, Questioning, *TWE*, p. 400

2 TEACH

_____ In-Class Examples, *TWE*, p. 401

_____ ⇨ Transparency 8-6B

_____ Reteaching, Using Comparison, *TWE*, p. 402

_____ ⇨ Study Guide Masters, p. 67

_____ Alternative Learning Styles, Visual, *TWE*, p. 400

_____ Cooperative Learning, Group Discussion, *TWE*, p. 401

_____ ⇨ Interactive Mathematics Tools Software, 8-6

_____ Math Lab 8-6B, *SE*, p. 405

3 PRACTICE/APPLY

_____ Checking Your Understanding, *SE*, p. 402

_____ Error Analysis, *TWE*, p. 403

Homework Assignments

_____ Core: 15–33 odd, 34–35, 37–43

_____ Enriched: 16–32 even, 34–43

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 760

_____ ⇨ Practice Masters, p. 67

4 ASSESS

_____ Closing Activity, Modeling, *TWE*, p. 404

_____ Extension, Using Discussion, *TWE*, p. 403

_____ ⇨ Enrichment Masters, p. 67

_____ ⇨ Activity Masters, p. 8

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8-7 Lesson Planning Guide (pp. 406–410)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 8-7: Graph a linear equation using the x - and y -intercepts or using the slope and y -intercept.

_____ **New Mexico Mathematics Performance Standards Grades 5-8: 2-A-3**

NCTM Curriculum Standards: 1–5, 8, 9

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 406

_____ ⇨ Transparency 8-7A

_____ Motivating the Lesson, Questioning, *TWE*, p. 406

2 TEACH

_____ In-Class Examples, *TWE*, p. 407

_____ ⇨ Transparency 8-7B

_____ Reteaching, Using Questioning, *TWE*, p. 408

_____ ⇨ Study Guide Masters, p. 68

_____ ⇨ Math Lab and Modeling Math Masters, p. 66

_____ ⇨ Interactive Mathematics Tools Software, 8-7

_____ Math Lab 8-7B, *SE*, p. 411

3 PRACTICE/APPLY

_____ Checking Your Understanding, *SE*, p. 408

_____ Error Analysis, *TWE*, p. 409

Homework Assignments

_____ Core: 17–45 odd, 46–53

_____ Enriched: 18–42 even, 43–53

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 760

_____ ⇨ Practice Masters, p. 68

4 ASSESS

_____ Closing Activity, Writing, *TWE*, p. 410

_____ ⇨ Assessment and Evaluation Masters, Quiz C, p. 212

_____ Extension, Using Cooperative Groups, *TWE*, p. 410

_____ ⇨ Enrichment Masters, p. 68

_____ ⇨ Group Activity Card 8-7

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

8-8 Lesson Planning Guide (pp. 412–416)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 8-8: Solve systems of linear equations by graphing.

_____ **New Mexico Mathematics Performance Standards Grades 5-8: 2-D-2**

NCTM Curriculum Standards: 1–5, 8, 9

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 412

_____ ⇔ Transparency 8-8A

_____ Motivating the Lesson, Hands-On Activity, *TWE*, p. 412

2 TEACH

_____ In-Class Examples, *TWE*, p. 413

_____ ⇔ Transparency 8-8B

_____ Reteaching, Using Models, *TWE*, p. 414

_____ ⇔ Study Guide Masters, p. 69

_____ ⇔ Interactive Mathematics Tools Software, 8-8

3 PRACTICE/APPLY

_____ Checking Your Understanding, *SE*, p. 414

_____ Error Analysis, *TWE*, p. 415

Homework Assignments

_____ Core: 15–39 odd, 40–46

_____ Enriched: 14–34 even, 35–46

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 760

_____ ⇔ Practice Masters, p. 69

_____ ⇔ Real-World Applications, 17

4 ASSESS

_____ Closing Activity, Writing, *TWE*, p. 416

_____ Extension, Consumer Awareness, *TWE*, p. 416

_____ ⇔ Enrichment Masters, p. 69

_____ ⇔ Group Activity Card 8-8

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8-9 Lesson Planning Guide (pp. 418–422)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 8-9: Graph linear inequalities.

NCTM Curriculum Standards: 1–5, 8, 9

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 418

_____ ⇨ Transparency 8-9A

_____ Motivating the Lesson, Questioning,

TWE, p. 419

2 TEACH

_____ Math Lab 8-9A, *SE*, p. 417

_____ In-Class Examples, *TWE*, p. 419

_____ ⇨ Transparency 8-9B

_____ Reteaching, Using Charts, *TWE*, p. 420

_____ ⇨ Study Guide Masters, p. 70

_____ ⇨ Math Lab and Modeling Math

Masters, p. 83

3 PRACTICE/APPLY

_____ Checking Your Understanding, *SE*, p. 420

_____ Error Analysis, *TWE*, p. 421

Homework Assignments

_____ Core: 19–43 odd, 44, 45, 47, 49–56

_____ Enriched: 20–42 even, 44–56

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 761

_____ ⇨ Practice Masters, p. 70

_____ ⇨ Tech Prep Applications Masters, p. 16

4 ASSESS

_____ Closing Activity, Speaking, *TWE*, p. 422

_____ ⇨ Assessment and Evaluation Masters,

Quiz D, p. 212

_____ ⇨ Enrichment Masters, p. 70

_____ Extension, Using Cooperative Groups,

TWE, p. 422

_____ ⇨ Multicultural Activity Masters, p. 16

_____ ⇨ Group Activity Card 8-9

Review and Assessment Options

_____ Chapter 8 Highlights, *SE*, p. 423

_____ Chapter 8 Study Guide and Assessment,

SE, pp. 424-426

_____ Chapter 8 Alternative Assessment, *SE*, p. 427

_____ Chapter 8 Test, *SE*, p. 781

_____ ⇨ Assessment and Evaluation Masters,

Chapter 8 Tests, pp. 197-208;

Performance Assessment, p. 209;

Standardized Test Practice, p. 213;

Cumulative Review, pp. 214-215

_____ ⇨ Test and Review Software

_____ ⇨ *MindJogger Videoquizzes*, Chapter 8

_____ ⇨ *State Test Preparation CD-ROM*

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