

12-1 Lesson Planning Guide (pp. 612–617)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 12-1: Find areas of parallelograms, triangles, and trapezoids.

_____ **New Mexico Mathematics Performance Standards Grades 5-8: 7-E-3**

NCTM Curriculum Standards: 1–4, 12, 13

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 612

_____ ⇨ Transparency 12-1A

_____ Motivating the Lesson, Hands-On Activity, *TWE*, p. 613

2 TEACH

_____ Math Lab 12-1A, *SE*, pp. 610–611

_____ In-Class Examples, *TWE*, pp. 613, 614

_____ ⇨ Transparency 12-1B

_____ Reteaching, Using Manipulatives, *TWE*, p. 615

_____ ⇨ Study Guide Masters, p. 100

_____ Cooperative Learning, Round Table, *TWE*, p. 614

_____ ⇨ Math Lab and Modeling Math Masters, p. 71

_____ ⇨ Graphing Calculator Masters, p. 12

_____ ⇨ Interactive Mathematics Tools Software, 12-1.1, 12-1.2

_____ Math Lab 12-1B, *SE*, p. 618

3 PRACTICE/APPLY

_____ Checking Your Understanding, *SE*, p. 615

_____ Error Analysis, *TWE*, p. 616

Homework Assignments

_____ Core: 13–25 odd, 28, 29, 31, 33–37

_____ Enriched: 12–26 even, 27–37

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 769

_____ ⇨ Practice Masters, p. 100

4 ASSESS

_____ Closing Activity, Speaking, *TWE*, p. 617

_____ Extension, Using Diagrams, *TWE*, p. 617

_____ ⇨ Enrichment Masters, p. 100

_____ ⇨ Activity Masters, p. 45

_____ ⇨ Group Activity Card 12-1

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

12-2 Lesson Planning Guide (pp. 619–622)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 12-2: Find areas of circles.

_____ **New Mexico Mathematics Performance Standards Grades 5-8: 7-E-3**

NCTM Curriculum Standards: 1–4, 12, 13

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 619

_____ ⇨ Transparency 12-2A

_____ Motivating the Lesson, Questioning, *TWE*, p. 619

2 TEACH

_____ In-Class Examples, *TWE*, p. 620

_____ ⇨ Transparency 12-2B

_____ Reteaching, Using Modeling, *TWE*, p. 621

_____ ⇨ Study Guide Masters, p. 101

_____ Alternative Teaching Strategies, Student Diversity, *TWE*, p. 619

_____ ⇨ Math Lab and Modeling Math Masters, p. 87

_____ ⇨ Interactive Mathematics Tools Software, 12-2

3 PRACTICE/APPLY

_____ Checking Your Understanding, *SE*, p. 621

Homework Assignments

_____ Core: 9–19 odd, 20, 21, 23, 25–30

_____ Enriched: 8–18 even, 20–30

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 769

_____ ⇨ Practice Masters, p. 101

_____ ⇨ Real-World Applications, 27

4 ASSESS

_____ Closing Activity, Writing, *TWE*, p. 622

_____ ⇨ Assessment and Evaluation Masters, Quiz A, p. 323

_____ Extension, Using Constructions, *TWE*, p. 622

_____ ⇨ Enrichment Masters, p. 101

_____ ⇨ Activity Masters, p. 26

_____ ⇨ Multicultural Activity Masters, p. 23

_____ ⇨ Group Activity Card 12-2

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12-3 Lesson Planning Guide (pp. 623–627)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 12-3: Find probabilities using area models.

_____ **New Mexico Mathematics Performance Standards Grades 5-8: 9-D-1**

NCTM Curriculum Standards: 1–4, 11–13

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 623

_____ ⇨ Transparency 12-3A

_____ Motivating the Lesson, Questioning, *TWE*, p. 623

2 TEACH

_____ In-Class Examples, *TWE*, p. 624

_____ ⇨ Transparency 12-3B

_____ Reteaching, Using Drawings, *TWE*, p. 625

_____ ⇨ Study Guide Masters, p. 102

_____ Alternative Learning Styles, Auditory, *TWE*, p. 623

_____ Math Lab 12-3B, *SE*, p. 628

3 PRACTICE/APPLY

_____ Checking Your Understanding, *SE*, p. 625

Homework Assignments

_____ Core: 9–19 odd, 21–25

_____ Enriched: 10–16 even, 17–25

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 769

_____ ⇨ Practice Masters, p. 102

4 ASSESS

_____ Closing Activity, Modeling, *TWE*, p. 627

_____ Extension, Using Logical Reasoning, *TWE*, p. 626

_____ ⇨ Enrichment Masters, p. 102

_____ ⇨ Group Activity Card 12-3

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12-4 Lesson Planning Guide (pp. 629–631)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 12-4: Solve problems using a model or a drawing.

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

NCTM Curriculum Standards: 1–4, 12, 13

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 629

_____ ⇨ Transparency 12-4A

_____ Motivating the Lesson, Situational Problem, *TWE*, p. 630

2 TEACH

_____ In-Class Examples, *TWE*, p. 630

_____ ⇨ Transparency 12-4B

_____ Reteaching, Making a Drawing, *TWE*, p. 630

_____ ⇨ Study Guide Masters, p. 103

_____ ⇨ Math Lab and Modeling Math Masters, p. 72

3 PRACTICE/APPLY

_____ Checking Your Understanding, *SE*, p. 630

Homework Assignments

_____ Core: 7–15 odd, 16–21

_____ Enriched: 6–14 even, 16–21

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 770

_____ ⇨ Practice Masters, p. 103

_____ ⇨ Real-World Applications, 28

4 ASSESS

_____ Closing Activity, Modeling, *TWE*, p. 631

_____ ⇨ Assessment and Evaluation Masters, Quiz B, p. 323

_____ ⇨ Assessment and Evaluation Masters, Mid-Chapter Test, p. 322

_____ Extension, Using Diagrams, *TWE*, p. 631

_____ ⇨ Enrichment Masters, p. 103

_____ ⇨ Group Activity Card 12-4

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12-5 Lesson Planning Guide (pp. 632–637)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

- _____ 12-5: Find surface areas of triangular and rectangular prisms and circular cylinders.
- _____ **New Mexico Mathematics Performance Standards Grades 5-8: 4-C-1, 8-C-2, 8-D-1, 9-A-1, 13-F-2**

NCTM Curriculum Standards: 1–4, 12, 13

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 632
- _____ ⇨ Transparency 12-5A
- _____ Motivating the Lesson, Hands-On Activity, *TWE*, p. 633

2 TEACH

- _____ In-Class Examples, *TWE*, pp 633, 634
- _____ ⇨ Transparency 12-5B
- _____ Reteaching, Using Diagrams, *TWE*, p. 635
- _____ ⇨ Study Guide Masters, p. 104
- _____ Alternative Learning Styles, Kinesthetic, *TWE*, p. 632

3 PRACTICE/APPLY

- _____ Checking Your Understanding, *SE*, p. 635
- _____ Error Analysis, *TWE*, p. 636

Homework Assignments

- _____ Core: 11–29 odd, 30–34
- _____ Enriched: 12–22 even, 23–34
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 770
- _____ ⇨ Practice Masters, p. 104
- _____ ⇨ Tech Prep Applications Masters, p. 23

4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 637
- _____ Extension, Using Consumer Connections, *TWE*, p. 637
- _____ ⇨ Enrichment Masters, p. 104
- _____ ⇨ Group Activity Card 12-5

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12-6 Lesson Planning Guide (pp. 638–642)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 12-6: Find surface areas of pyramids and cones.

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

NCTM Curriculum Standards: 1–4, 12, 13

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 638

_____ ⇨ Transparency 12-6A

_____ Motivating the Lesson, Hands-On Activity, *TWE*, p. 639

2 TEACH

_____ In-Class Examples, *TWE*, pp. 639, 640

_____ ⇨ Transparency 12-6B

_____ Reteaching, Using Models, *TWE*, p. 640

_____ ⇨ Study Guide Masters, p. 105

_____ Alternative Teaching Strategies, Reading Mathematics, *TWE*, p. 638

3 PRACTICE/APPLY

_____ Checking Your Understanding, *SE*, p. 640

Homework Assignments

_____ Core: 9–17 odd, 18, 19, 21, 23–27

_____ Enriched: 10–16 even, 18–27

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 770

_____ ⇨ Practice Masters, p. 105

4 ASSESS

_____ Closing Activity, Speaking, *TWE*, p. 642

_____ Self Test, *SE*, p. 642

_____ ⇨ Assessment and Evaluation Masters, Quiz C, p. 324

_____ Extension, Using Formulas, *TWE*, p. 641

_____ ⇨ Enrichment Masters, p. 105

_____ Group Activity Card 12-6

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12-7 Lesson Planning Guide (pp. 644–648)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

- _____ 12-7: Find volumes of prisms and circular cylinders.
- _____ **New Mexico Mathematics Performance Standards Grades 5-8: 7-E-3, 8-C-2, 8-D-1, 9-A-1, 9-C-1, 13-F-2**

NCTM Curriculum Standards: 1–4, 12, 13

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 644
- _____ ⇔ Transparency 12-7A
- _____ Motivating the Lesson, Situational Problem, *TWE*, p. 645

2 TEACH

- _____ Math Lab 12-7A, *SE*, p. 643
- _____ In-Class Examples, *TWE*, pp. 645, 646
- _____ ⇔ Transparency 12-7B
- _____ Reteaching, Using Manipulatives, *TWE*, p. 646
- _____ ⇔ Study Guide Masters, p. 106
- _____ Alternative Learning Styles, Visual, *TWE*, p. 644

3 PRACTICE/APPLY

- _____ Checking Your Understanding, *SE*, p. 646

Homework Assignments

- _____ Core: 13–35 odd, 36–42
- _____ Enriched: 14–26 even, 28–42
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 770
- _____ ⇔ Practice Masters, p. 106
- _____ ⇔ Tech Prep Applications Masters, p. 24

4 ASSESS

- _____ Closing Activity, Writing, *TWE*, p. 648
- _____ Extension, Using Data, *TWE*, p. 648
- _____ ⇔ Enrichment Masters, p. 106
- _____ ⇔ Group Activity Card 12-7

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12-8 Lesson Planning Guide (pp. 649–653)

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 12-8: Find volumes of pyramids and cones.

_____ **New Mexico Mathematics Performance Standards Grades 5-8: 4-D-1, 7-E-3, 8-C-2, 8-D-1, 13-F-2**

NCTM Curriculum Standards: 1–4, 12, 13

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 649

_____ ⇨ Transparency 12-8A

_____ Motivating the Lesson, Questioning, *TWE*, p. 650

2 TEACH

_____ In-Class Examples, *TWE*, p. 650

_____ ⇨ Transparency 12-8B

_____ Reteaching, Using Science Connections, *TWE*, p. 651

_____ ⇨ Study Guide Masters, p. 107

_____ Cooperative Learning, Think-Pair-Share, *TWE*, p. 650

_____ ⇨ Interactive Mathematics Tools Software, 12-8

_____ Math Lab 12-8B, *SE*, p. 654

3 PRACTICE/APPLY

_____ Checking Your Understanding, *SE*, p. 651

_____ Error Analysis, *TWE*, p. 652

Homework Assignments

_____ Core: 11–29 odd, 31–36

_____ Enriched: 12–26 even, 27–36

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 771

_____ ⇨ Practice Masters, p. 107

4 ASSESS

_____ Closing Activity, Modeling, *TWE*, p. 653

_____ ⇨ Assessment and Evaluation Masters, Quiz D, p. 324

_____ Extension, Using Formulas, *TWE*, p. 652

_____ ⇨ Enrichment Masters, p. 107

_____ ⇨ Activity Masters, p. 12

_____ ⇨ Multicultural Activity Masters, p. 24

_____ ⇨ Group Activity Card 12-8

Review and Assessment Options

_____ Chapter 12 Highlights, *SE*, p. 655

_____ Chapter 12 Study Guide and Assessment, *SE*, pp. 656-658

_____ Chapter 12 Alternative Assessment, *SE*, p. 659

_____ Chapter 12 Test, *SE*, p. 785

_____ ⇨ Assessment and Evaluation Masters, Chapter 12 Tests, pp. 309-320; Performance Assessment, p. 321; Standardized Test Practice, p. 325;

_____ ⇨ Test and Review Software

_____ ⇨ *MindJogger Videoquizzes*, Chapter 12

_____ ⇨ *State Test Preparation CD-ROM*

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