

Lesson Planning Guide (pp. 314–318)



7-1

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 1 of 15
Block 90-minute periods	Day 1 of 8

NCTM Standards
1, 2, 3, 4, 6, 7, 10
Louisiana Mathematics Framework, Grades 5–8 Benchmarks
A-1-M, M-1-M, M-6-M, G-2-M, G-4-M, G-5-M, G-7-M, P-3-M
Louisiana GLE
48

Objective

Find the areas of parallelograms, triangles, and trapezoids.

1 Focus

- Materials/Resources Needed _____
- _____ 5-Minute Check 7-1, *TWE*, p. 314
 - _____ *5-Minute Check Transparencies with Standardized Test Practice*, Lesson 7-1
 - _____ Bellringer, *TWE*, p. 314
 - _____ *TeacherWorks CD-ROM, Louisiana Edition*
 - _____ *StudentWorks CD-ROM, Louisiana Edition*
 - _____ *Interactive Student Edition CD-ROM*
 - _____ *Quick Review Math Handbook*, Sections 7-5, 8-3

2 Teach

- _____ In-Class Examples, *TWE*, pp. 315–316
- _____ *Teaching Math with Manipulatives*, pp. 80, 81–82
- _____ *Teaching Mathematics with Foldables™*, pp. 61, 66, 67
- _____ *Interactive Chalkboard CD-ROM*, Lesson 7-1
- _____ msmath3.net/careers
- _____ Daily Intervention, *TWE*, pp. 315, 317
- _____ Study Guide and Intervention, *CRM*, p. 377
- _____ *Study Guide and Intervention Workbook*, p. 50
- _____ Reading to Learn Mathematics, *CRM*, p. 380
- _____ *TeacherWorks CD-ROM, Louisiana Edition*

3 Practice/Apply

- _____ Practice: Skills, *CRM*, pp. 378–379
- _____ *Practice: Skills Workbook*, p. 50
- _____ *Practice: Word Problems Workbook*, p. 50
- _____ Extra Practice, *SE*, p. 632
- _____ msmath3.net/extra_examples/leap21
- _____ Differentiated Instruction, *TWE*, p. 315
- _____ *Skills Intervention*, Skills 49–51
- _____ *Parent and Student Study Guide*, Lesson 7-1
- _____ *Virtual Activities for Middle School Mathematics, Level 3*
- _____ *Answer Key Transparencies*, Lesson 7-1
- _____ *Math Skills Maintenance*, Skills 10, 20, 33
- _____ Family Letters & Activities, *CRM*, pp. ix–x
- _____ *Solutions Manual*

Assignment Guide, pp. 317–318, SE	
	Exercises
Basic	1–37 odd
Advanced	1–17 odd, 19–37
Alternate Assignment _____	

- _____ *Louisiana Noteables™: Interactive Study Notebook with Foldables™*, Lesson 7-1

4 Assess

- _____ Open-Ended Assessment, *TWE*, p. 318
- _____ Enrichment, *CRM*, p. 381
- _____ Countdown to LEAP 21, *TWE*, p. LA29
- _____ *AnswerKey Maker CD-ROM*
- _____ msmath3.net/self_check_quiz/leap21

_____ *Closing the Gap for Absent Students*, pp. 66–67

KEY SE = Student Edition TWE = Teacher Wraparound Edition CRM = Chapter Resource Masters

Lesson Planning Guide (pp. 319–323)



7-2

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 2 of 15
Block 90-minute periods	Day 1 of 8

NCTM Standards
1, 2, 3, 4, 6, 7, 9, 10
Louisiana Mathematics Framework, Grades 5–8 Benchmarks
A-1-M, M-2-M, M-6-M, G-1-M, G-2-M, G-5-M, G-7-M, P-3-M
Louisiana GLE
48

Objective

Find the circumference and areas of circles.

1 Focus

- Materials/Resources Needed _____
- _____ 5-Minute Check 7-2, *TWE*, p. 319
 - _____ 5-Minute Check Transparencies with Standardized Test Practice, Lesson 7-2
 - _____ Bellringer, *TWE*, p. 319
 - _____ TeacherWorks CD-ROM, Louisiana Edition
 - _____ StudentWorks CD-ROM, Louisiana Edition
 - _____ Interactive Student Edition CD-ROM
 - _____ Quick Review Math Handbook, Sections 7-8, 8-3

2 Teach

- _____ In-Class Examples, *TWE*, pp. 320–321
- _____ *Teaching Math with Manipulatives*, pp. 83–84
- _____ *Teaching Mathematics with Foldables™*, p. 68
- _____ *Interactive Chalkboard CD-ROM*, Lesson 7-2
- _____ Daily Intervention, *TWE*, p. 320
- _____ Study Guide and Intervention, *CRM*, p. 382
- _____ *Study Guide and Intervention Workbook*, p. 51
- _____ Reading to Learn Mathematics, *CRM*, p. 385
- _____ TeacherWorks CD-ROM, Louisiana Edition

3 Practice/Apply

- _____ Practice: Skills, *CRM*, pp. 383–384
- _____ Practice: Skills Workbook, p. 51
- _____ Practice: Word Problems Workbook, p. 51
- _____ Extra Practice, *SE*, p. 632
- _____ msmath3.net/extra_examples/leap21
- _____ Skills Intervention, Skills 46, 48
- _____ Calculator and Spreadsheet Masters, p. 31
- _____ Parent and Student Study Guide, Lesson 7-2
- _____ Virtual Activities for Middle School Mathematics, Level 3
- _____ Answer Key Transparencies, Lesson 7-2
- _____ MathPASS Tutorial CD-ROM, Lessons 33, 34
- _____ Math Skills Maintenance, Skill 10
- _____ Family Letters & Activities, *CRM*, pp. ix–x

Assignment Guide, pp. 322–323, SE

Exercises	
Basic	1–41 odd
Advanced	1–17 odd, 19–41
Alternate Assignment _____	

- _____ Solutions Manual
- _____ Louisiana Noteables™: Interactive Study Notebook with Foldables™, Lesson 7-2

4 Assess

- _____ Higher-Level Thinking, *TWE*, p. 323
- _____ Enrichment, *CRM*, p. 386
- _____ Countdown to LEAP 21, *TWE*, p. LA29
- _____ AnswerKey Maker CD-ROM
- _____ msmath3.net/self_check_quiz/leap21

_____ Closing the Gap for Absent Students, pp. 66–67

KEY SE = Student Edition TWE = Teacher Wraparound Edition CRM = Chapter Resource Masters

Problem-Solving Strategy (pp. 324–325)



7-3a

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 3 of 15
Block 90-minute periods	Day 2 of 8

NCTM Standards
1, 2, 3, 4, 6, 7, 9, 10
Louisiana Mathematics Framework, Grades 5–8 Benchmarks
N-4-M

Objective

____ Solve problems by solving a simpler problem.

Getting Started

Materials/Resources Needed _____

Focus

____ Bellringer, *TWE*, p. 324

Teach

- ____ *Glencoe Mathematics Classroom Manipulative Kit*
- ____ In-Class Examples, *TWE*, p. 324
- ____ Daily Intervention, *TWE*, p. 325

Assignment Guide, pp. 324–325, <i>SE</i>	
All	1–15
Alternate Assignment _____	

Assess

____ Open-Ended Assessment, *TWE*, p. 325

Lesson Planning Guide (pp. 326–329)



7-3

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 4 of 15
Block 90-minute periods	Day 2 of 8

NCTM Standards
1, 2, 3, 4, 6, 7, 9, 10
Louisiana Mathematics Framework, Grades 5–8 Benchmarks
M-1-M, M-2-M, M-6-M, G-1-M, G-7-M

Objective

___ Find the area of complex figures.

1 Focus

Materials/Resources Needed _____

- ___ 5-Minute Check 7-3, *TWE*, p. 326
- ___ *5-Minute Check Transparencies with Standardized Test Practice*, Lesson 7-3
- ___ Bellringer, *TWE*, p. 326
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *StudentWorks CD-ROM, Louisiana Edition*
- ___ *Interactive Student Edition CD-ROM*
- ___ *Quick Review Math Handbook*, Sections 7-5, 8-3

2 Teach

- ___ In-Class Examples, *TWE*, p. 327
- ___ *Interactive Chalkboard CD-ROM*, Lesson 7-3
- ___ Daily Intervention, *TWE*, p. 326
- ___ Study Guide and Intervention, *CRM*, p. 387
- ___ *Study Guide and Intervention Workbook*, p. 52
- ___ Reading to Learn Mathematics, *CRM*, p. 390
- ___ *TeacherWorks CD-ROM, Louisiana Edition*

3 Practice/Apply

- ___ Practice: Skills, *CRM*, pp. 388–389
- ___ *Practice: Skills Workbook*, p. 52
- ___ *Practice: Word Problems Workbook*, p. 52
- ___ Extra Practice, *SE*, p. 633
- ___ msmath3.net/extra_examples/leap21
- ___ Differentiated Instruction, *TWE*, p. 326
- ___ *Parent and Student Study Guide*, Lesson 7-3
- ___ *Virtual Activities for Middle School Mathematics, Level 3*
- ___ *Answer Key Transparencies*, Lesson 7-3
- ___ *MathPASS Tutorial CD-ROM*, Lesson 35
- ___ *Math Skills Maintenance*, Skills 10, 20, 33
- ___ Family Letters & Activities, *CRM*, pp. ix–x
- ___ *Solutions Manual*

Assignment Guide, pp. 328–329, *SE*

Exercises	
Basic	1–29 odd
Advanced	1–11 odd, 13–29
Alternate Assignment _____	

- ___ *Louisiana Noteables™: Interactive Study Notebook with Foldables™*, Lesson 7-3

4 Assess

- ___ Higher-Level Thinking, *TWE*, p. 329
- ___ Enrichment, *CRM*, p. 391
- ___ Countdown to LEAP 21, *TWE*, p. LA30
- ___ *AnswerKey Maker CD-ROM*
- ___ Assessment, Quiz, *CRM*, p. 437
- ___ msmath3.net/self_check_quiz/leap21

___ *Closing the Gap for Absent Students*, pp. 66–67

KEY *SE* = Student Edition *TWE* = Teacher Wraparound Edition *CRM* = Chapter Resource Masters

Hands-On Lab (p. 330)



7-4a

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 5 of 15
Block 90-minute periods	Day 3 of 8

NCTM Standards
1, 2, 3, 4, 6, 7, 9, 10

Objective

— Build and draw three-dimensional figures.

Getting Started

Materials/Resources Needed cubes, isometric dot paper, isometric dot grid stamp, ink pad

Focus

Teach

- *Teaching Math with Manipulatives*, p. 85
- *Overhead Manipulative Resources*
- *Glencoe Mathematics Classroom Manipulative Kit*
- *Glencoe Mathematics Student Manipulative Kit*

Assignment Guide, p. 330, SE	
All	1–2
Alternate Assignment _____	

Assess

Lesson Planning Guide (pp. 331–334)



7-4

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 6 of 15
Block 90-minute periods	Day 3 of 8

NCTM Standards
1, 2, 3, 4, 6, 7, 9, 10
Louisiana Mathematics Framework, Grades 5–8 Benchmarks
G-2-M, G-4-M, G-5-M, G-7-M

Objective

— Identify and draw three-dimensional figures.

1 Focus

Materials/Resources Needed _____

- 5-Minute Check 7-4, *TWE*, p. 331
- 5-Minute Check Transparencies with *Standardized Test Practice*, Lesson 7-4
- Bellringer, *TWE*, p. 331
- *TeacherWorks CD-ROM, Louisiana Edition*
- *StudentWorks CD-ROM, Louisiana Edition*
- *Interactive Student Edition CD-ROM*
- *Quick Review Math Handbook*, Section 7-2

2 Teach

- In-Class Examples, *TWE*, p. 332
- *Teaching Mathematics with Foldables™*, p. 69
- *Interactive Chalkboard CD-ROM*, Lesson 7-4
- Daily Intervention, *TWE*, p. 331
- Study Guide and Intervention, *CRM*, p. 392
- *Study Guide and Intervention Workbook*, p. 53
- Reading to Learn Mathematics, *CRM*, p. 395
- *TeacherWorks CD-ROM, Louisiana Edition*
- *Key Teaching Transparencies*

3 Practice/Apply

- Practice: Skills, *CRM*, pp. 393–394
- Practice: Skills Workbook, p. 53
- Practice: Word Problems Workbook, p. 53
- Extra Practice, *SE*, p. 633
- msmath3.net/extra_examples/leap21
- *Skills Intervention*, Skill 52
- *Parent and Student Study Guide*, Lesson 7-4
- *Virtual Activities for Middle School Mathematics, Level 3*
- *Answer Key Transparencies*, Lesson 7-4
- *MathPASS Tutorial CD-ROM*, Lesson 36
- *WebQuest, Projects, and Interdisciplinary Investigations*, pp. 49–54
- Family Letters & Activities, *CRM*, pp. ix–x

Assignment Guide, pp. 333–334, SE

Exercises	
Basic	1–31 odd
Advanced	1–13 odd, 15–31
Alternate Assignment _____	

- *Solutions Manual*
- *Louisiana Noteables™: Interactive Study Notebook with Foldables™*, Lesson 7-4

4 Assess

- Open-Ended Assessment, *TWE*, p. 334
- Enrichment, *CRM*, p. 396
- Countdown to LEAP 21, *TWE*, p. LA30
- *AnswerKey Maker CD-ROM*
- msmath3.net/self_check_quiz/leap21

— *Closing the Gap for Absent Students*, pp. 66–67

KEY SE = Student Edition TWE = Teacher Wraparound Edition CRM = Chapter Resource Masters

Lesson Planning Guide (pp. 335–341)



7-5

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 7 of 15
Block 90-minute periods	Day 4 of 8

NCTM Standards
1, 2, 3, 4, 6, 7, 9, 10
Louisiana Mathematics Framework, Grades 5–8 Benchmarks
A-1-M, M-1-M, M-2-M, M-6-M, G-1-M, G-4-M, G-5-M, G-7-M, P-3-M
Louisiana GLE
17, 19, 20, 21, 22, 48

Objective

Find the volumes of prisms and cylinders.

1 Focus

Materials/Resources Needed _____

- _____ 5-Minute Check 7-5, *TWE*, p. 335
- _____ 5-Minute Check Transparencies with Standardized Test Practice, Lesson 7-5
- _____ Bellringer, *TWE*, p. 335
- _____ TeacherWorks CD-ROM, Louisiana Edition
- _____ StudentWorks CD-ROM, Louisiana Edition
- _____ Interactive Student Edition CD-ROM
- _____ Quick Review Math Handbook, Section 7-7

2 Teach

- _____ In-Class Examples, *TWE*, pp. 336–337
- _____ *Teaching Mathematics with Foldables™*, p. 70
- _____ Interactive Chalkboard CD-ROM, Lesson 7-5
- _____ Daily Intervention, *TWE*, pp. 336, 337
- _____ Study Guide and Intervention, *CRM*, p. 397
- _____ Study Guide and Intervention Workbook, p. 54
- _____ Reading to Learn Mathematics, *CRM*, p. 400
- _____ TeacherWorks CD-ROM, Louisiana Edition

3 Practice/Apply

- _____ Practice: Skills, *CRM*, pp. 398–399
- _____ Practice: Skills Workbook, p. 54
- _____ Practice: Word Problems Workbook, p. 54
- _____ Extra Practice, *SE*, p. 633
- _____ msmath3.net/extra_examples/leap21
- _____ Differentiated Instruction, *TWE*, p. 336
- _____ Skills Intervention, Skills 55, 56
- _____ Calculator and Spreadsheet Masters, p. 32
- _____ Parent and Student Study Guide, Lesson 7-5
- _____ Virtual Activities for Middle School Mathematics, Level 3
- _____ Answer Key Transparencies, Lesson 7-5
- _____ MathPASS Tutorial CD-ROM, Lesson 37
- _____ The Game Zone, *SE*, p. 341
- _____ Math Skills Maintenance, Skills 10, 20, 33

Assignment Guide, pp. 337–339, SE	
	Exercises
Basic	1–29 odd
Advanced	1–19 odd, 21–29
Alternate Assignment _____	

- _____ Family Letters & Activities, *CRM*, pp. ix–x
- _____ Solutions Manual
- _____ Louisiana Noteables™: Interactive Study Notebook with Foldables™, Lesson 7-5

4 Assess

- _____ Open-Ended Assessment, *TWE*, p. 338
- _____ Enrichment, *CRM*, p. 401
- _____ Assessment, Mid-Chapter Test, *CRM*, p. 439
- _____ Mid-Chapter Practice Test, *SE*, p. 340
- _____ Countdown to LEAP 21, *TWE*, p. LA30
- _____ AnswerKey Maker CD-ROM
- _____ Assessment, Quiz, *CRM*, p. 437
- _____ msmath3.net/self_check_quiz/leap21

_____ Closing the Gap for Absent Students, pp. 66–67

KEY SE = Student Edition TWE = Teacher Wraparound Edition CRM = Chapter Resource Masters

Lesson Planning Guide (pp. 342–345)



7-6

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 8 of 15
Block 90-minute periods	Day 4 of 8

NCTM Standards
1, 2, 3, 4, 6, 7, 9, 10
Louisiana Mathematics Framework, Grades 5–8 Benchmarks
A-1-M, M-6-M, G-2-M, G-4-M, G-5-M, G-7-M
Louisiana GLE
19, 20, 21, 22

Objective

___ Find the volumes of pyramids and cones.

1 Focus

Materials/Resources Needed _____

- ___ 5-Minute Check 7-6, *TWE*, p. 342
- ___ *5-Minute Check Transparencies with Standardized Test Practice*, Lesson 7-6
- ___ Bellringer, *TWE*, p. 342
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *StudentWorks CD-ROM, Louisiana Edition*
- ___ *Interactive Student Edition CD-ROM*
- ___ *Quick Review Math Handbook*, Section 7-7

2 Teach

- ___ In-Class Examples, *TWE*, p. 343
- ___ *Teaching Math with Manipulatives*, p. 86
- ___ *Teaching Mathematics with Foldables™*, p. 71
- ___ *Interactive Chalkboard CD-ROM*, Lesson 7-6
- ___ Daily Intervention, *TWE*, p. 343
- ___ Study Guide and Intervention, *CRM*, p. 402
- ___ *Study Guide and Intervention Workbook*, p. 55
- ___ Reading to Learn Mathematics, *CRM*, p. 405
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *Key Teaching Transparencies*

3 Practice/Apply

- ___ Practice: Skills, *CRM*, pp. 403–404
- ___ *Practice: Skills Workbook*, p. 55
- ___ *Practice: Word Problems Workbook*, p. 55
- ___ Extra Practice, *SE*, p. 634
- ___ msmath3.net/extra_examples/leap21
- ___ Differentiated Instruction, *TWE*, p. 343
- ___ *Calculator and Spreadsheet Masters*, p. 33
- ___ *Parent and Student Study Guide*, Lesson 7-6
- ___ *Virtual Activities for Middle School Mathematics, Level 3*
- ___ *Answer Key Transparencies*, Lesson 7-6
- ___ *MathPASS Tutorial CD-ROM*, Lesson 38
- ___ *Math Skills Maintenance*, Skills 10, 20, 33
- ___ Family Letters & Activities, *CRM*, pp. ix–x

Assignment Guide, pp. 344–345, SE

Exercises	
Basic	1–37 odd
Advanced	1–17 odd, 19–37
Alternate Assignment _____	

- ___ *Solutions Manual*
- ___ *Louisiana Noteables™: Interactive Study Notebook with Foldables™*, Lesson 7-6

4 Assess

- ___ Higher-Level Thinking, *TWE*, p. 344
- ___ Enrichment, *CRM*, p. 406
- ___ Countdown to LEAP 21, *TWE*, p. LA31
- ___ *AnswerKey Maker CD-ROM*
- ___ msmath3.net/self_check_quiz/leap21

___ *Closing the Gap for Absent Students*, pp. 66–67

KEY SE = Student Edition TWE = Teacher Wraparound Edition CRM = Chapter Resource Masters

Hands-On Lab (p. 346)



7-7a

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 9 of 15
Block 90-minute periods	Day 5 of 8

NCTM Standards
1, 2, 3, 4, 6, 7, 9, 10
Louisiana Mathematics Framework, Grades 5–8 Benchmarks
G-2-M, G-4-M
Louisiana GLE
27

Objective

____ Represent three-dimensional objects as nets.

Getting Started

Materials/Resources Needed empty box with tuck-in lid, scissors

Focus

Teach

____ *Teaching Math with Manipulatives*, p. 87

____ *Overhead Manipulative Resources*

____ *Glencoe Mathematics Classroom*

Manipulative Kit

____ *Glencoe Mathematics Student*

Manipulative Kit

Assignment Guide, p. 346, SE	
All	1–2
Alternate Assignment _____	

Assess

Lesson Planning Guide (pp. 347–351)



7-7

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 10 of 15
Block 90-minute periods	Day 5 of 8

NCTM Standards
1, 2, 3, 4, 6, 7, 9, 10
Louisiana Mathematics Framework, Grades 5–8 Benchmarks
A-1-M, M-1-M, M-2-M, M-6-M, G-2-M, G-7-M
Louisiana GLE
17

Objective

Find the surface areas of prisms and cylinders.

1 Focus

Materials/Resources Needed _____

- _____ 5-Minute Check 7-7, *TWE*, p. 347
- _____ *5-Minute Check Transparencies with Standardized Test Practice*, Lesson 7-7
- _____ Bellringer, *TWE*, p. 347
- _____ *TeacherWorks CD-ROM, Louisiana Edition*
- _____ *StudentWorks CD-ROM, Louisiana Edition*
- _____ *Interactive Student Edition CD-ROM*
- _____ *Quick Review Math Handbook*, Section 7-6

2 Teach

- _____ In-Class Examples, *TWE*, pp. 348–349
- _____ *Teaching Mathematics with Foldables™*, p. 70
- _____ *Interactive Chalkboard CD-ROM*, Lesson 7-7
- _____ Daily Intervention, *TWE*, p. 348
- _____ Study Guide and Intervention, *CRM*, p. 407
- _____ *Study Guide and Intervention Workbook*, p. 56
- _____ Reading to Learn Mathematics, *CRM*, p. 410
- _____ *TeacherWorks CD-ROM, Louisiana Edition*

3 Practice/Apply

- _____ Practice: Skills, *CRM*, pp. 408–409
- _____ *Practice: Skills Workbook*, p. 56
- _____ *Practice: Word Problems Workbook*, p. 56
- _____ Extra Practice, *SE*, p. 634
- _____ msmath3.net/extra_examples/leap21
- _____ Differentiated Instruction, *TWE*, p. 348
- _____ *Skills Intervention*, Skills 53, 54
- _____ *Calculator and Spreadsheet Masters*, p. 34
- _____ *Parent and Student Study Guide*, Lesson 7-7
- _____ *Real-Life Career Masters*
- _____ *Virtual Activities for Middle School Mathematics, Level 3*
- _____ *Answer Key Transparencies*, Lesson 7-7
- _____ *MathPASS Tutorial CD-ROM*, Lesson 39
- _____ *WebQuest, Projects, and Interdisciplinary Investigations*, pp. 49–54

Assignment Guide, pp. 349–351, SE

Exercises	
Basic	1–41 odd
Advanced	1–17 odd, 19–41
Alternate Assignment _____	

- _____ *Math Skills Maintenance*, Skills 9, 10, 20, 33
- _____ Family Letters & Activities, *CRM*, pp. ix–x
- _____ *Solutions Manual*
- _____ *Louisiana Noteables™: Interactive Study Notebook with Foldables™*, Lesson 7-7

4 Assess

- _____ Open-Ended Assessment, *TWE*, p. 350
- _____ Enrichment, *CRM*, p. 411
- _____ Countdown to LEAP 21, *TWE*, p. LA31
- _____ *AnswerKey Maker CD-ROM*
- _____ Assessment, Quiz, *CRM*, p. 438
- _____ msmath3.net/self_check_quiz/leap21

_____ *Closing the Gap for Absent Students*, pp. 66–67

KEY SE = Student Edition TWE = Teacher Wraparound Edition CRM = Chapter Resource Masters

Lesson Planning Guide (pp. 352–355)



7-8

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 11 of 15
Block 90-minute periods	Day 6 of 8

NCTM Standards
1, 2, 3, 4, 6, 7, 9, 10
Louisiana Mathematics Framework, Grades 5–8 Benchmarks
A-1-M, M-6-M, G-2-M, G-7-M

Objective

Find the surface areas of pyramids and cones.

1 Focus

Materials/Resources Needed _____

- _____ 5-Minute Check 7-8, *TWE*, p. 352
- _____ *5-Minute Check Transparencies with Standardized Test Practice*, Lesson 7-8
- _____ Bellringer, *TWE*, p. 352
- _____ *TeacherWorks CD-ROM, Louisiana Edition*
- _____ *StudentWorks CD-ROM, Louisiana Edition*
- _____ *Interactive Student Edition CD-ROM*
- _____ *Quick Review Math Handbook*, Sections 6-5, 7-2, 7-6, 8-6, 9-4

2 Teach

- _____ In-Class Examples, *TWE*, p. 353
- _____ *Teaching Math with Manipulatives*, pp. 88–89
- _____ *Teaching Mathematics with Foldables™*, p. 71
- _____ *Interactive Chalkboard CD-ROM*, Lesson 7-8
- _____ Daily Intervention, *TWE*, p. 353
- _____ Study Guide and Intervention, *CRM*, p. 412
- _____ *Study Guide and Intervention Workbook*, p. 57
- _____ Reading to Learn Mathematics, *CRM*, p. 415
- _____ *TeacherWorks CD-ROM, Louisiana Edition*

3 Practice/Apply

- _____ Practice: Skills, *CRM*, pp. 413–414
- _____ *Practice: Skills Workbook*, p. 57
- _____ *Practice: Word Problems Workbook*, p. 57
- _____ Extra Practice, *SE*, p. 634
- _____ msmath3.net/extra_examples/leap21
- _____ Differentiated Instruction, *TWE*, p. 353
- _____ *Parent and Student Study Guide*, Lesson 7-8
- _____ *Virtual Activities for Middle School Mathematics, Level 3*
- _____ *Answer Key Transparencies*, Lesson 7-8
- _____ *Math Skills Maintenance*, Skills 9, 10, 20, 33
- _____ Family Letters & Activities, *CRM*, pp. ix–x
- _____ *Solutions Manual*

Assignment Guide, pp. 354–355, SE

Exercises	
Basic	1–31 odd
Advanced	1–13 odd, 15–32
Alternate Assignment _____	

- _____ *Louisiana Noteables™: Interactive Study Notebook with Foldables™*, Lesson 7-8

4 Assess

- _____ Open-Ended Assessment, *TWE*, p. 355
- _____ Enrichment, *CRM*, p. 416
- _____ Countdown to LEAP 21, *TWE*, p. LA31
- _____ *AnswerKey Maker CD-ROM*
- _____ msmath3.net/self_check_quiz/leap21

_____ *Closing the Gap for Absent Students*, pp. 66–67

KEY SE = Student Edition TWE = Teacher Wraparound Edition CRM = Chapter Resource Masters

Spreadsheet Investigation (pp. 356–357)



7-8b

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 12 of 15
Block 90-minute periods	Day 6 of 8

NCTM Standards
1, 2, 3, 4, 6, 7, 9, 10
Louisiana Mathematics Framework, Grades 5–8 Benchmarks
D-1-M
Louisiana GLE
32

Objective

___ Investigate the volume and surface area of similar solids.

Getting Started

Materials/Resources Needed _____

Teach

Assignment Guide, pp. 356–357, SE	
All	1–13
Alternate Assignment _____	

Assess

Lesson Planning Guide (pp. 358–362)



7-9

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 13 of 15
Block 90-minute periods	Day 7 of 8

NCTM Standards
1, 2, 3, 4, 6, 7, 9, 10
Louisiana Mathematics Framework, Grades 5–8 Benchmarks
M-1-M, M-2-M, D-2-M

Objective

___ Analyze measurements.

1 Focus

Materials/Resources Needed _____

- ___ 5-Minute Check 7-9, *TWE*, p. 358
- ___ *5-Minute Check Transparencies with Standardized Test Practice*, Lesson 7-9
- ___ Bellringer, *TWE*, p. 358
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *StudentWorks CD-ROM, Louisiana Edition*
- ___ *Interactive Student Edition CD-ROM*
- ___ *Quick Review Math Handbook*, Section 8-1

2 Teach

- ___ In-Class Examples, *TWE*, pp. 359–360
- ___ *Interactive Chalkboard CD-ROM*, Lesson 7-9
- ___ Daily Intervention, *TWE*, p. 359
- ___ Study Guide and Intervention, *CRM*, p. 417
- ___ *Study Guide and Intervention Workbook*, p. 58
- ___ Reading to Learn Mathematics, *CRM*, p. 420
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *Key Teaching Transparencies*

3 Practice/Apply

- ___ Practice: Skills, *CRM*, pp. 418–419
- ___ *Practice: Skills Workbook*, p. 58
- ___ *Practice: Word Problems Workbook*, p. 58
- ___ Extra Practice, *SE*, p. 635
- ___ msmath3.net/extra_examples/leap21
- ___ Differentiated Instruction, *TWE*, p. 359
- ___ *Skills Intervention*, Skill 61
- ___ *Parent and Student Study Guide*, Lesson 7-9
- ___ *Virtual Activities for Middle School Mathematics, Level 3*
- ___ *Answer Key Transparencies*, Lesson 7-9
- ___ *MathPASS Tutorial CD-ROM*, Lesson 40
- ___ *WebQuest, Projects, and Interdisciplinary Investigations*, pp. 49–54
- ___ msmath3.net/webquest
- ___ *Math Skills Maintenance*, Skills 31, 32

Assignment Guide, pp. 360–362, SE

Exercises	
Basic	1–51 odd
Advanced	1–35 odd, 37–52
Alternate Assignment _____	

- ___ Family Letters & Activities, *CRM*, pp. ix–x
- ___ *Solutions Manual*
- ___ *Louisiana Noteables™: Interactive Study Notebook with Foldables™*, Lesson 7-9

4 Assess

- ___ Open-Ended Assessment, *TWE*, p. 362
- ___ Enrichment, *CRM*, p. 421
- ___ Countdown to LEAP 21, *TWE*, p. LA32
- ___ *AnswerKey Maker CD-ROM*
- ___ Assessment, Quiz, *CRM*, p. 438
- ___ msmath3.net/self_check_quiz/leap21

___ *Closing the Gap for Absent Students*, pp. 66–67

KEY SE = Student Edition TWE = Teacher Wraparound Edition CRM = Chapter Resource Masters

Review and Testing (pp. 363–369)



7

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Days 14 & 15 of 15
Block 90-minute periods	Day 8 of 8

Assess

- ___ Vocabulary and Concept Check, *SE*, p. 363
- ___ Portfolio Suggestion, *TWE*, p. 367
- ___ Vocabulary Test/Review, *CRM*, p. 436
- ___ Lesson-by-Lesson Review, *SE*, pp. 363–366
- ___ Practice Test, *SE*, p. 367
- ___ *Teaching Mathematics with Foldables™*, pp. 61, 66–71
- ___ Chapter 1 Tests, *CRM*, pp. 423–434
- ___ Extended Response Assessment, *CRM*, p. 435
- ___ Standardized Test Practice, *SE*, pp. 368–369
- ___ Standardized Test Practice, *CRM*, pp. 441–442
- ___ Cumulative Review, *CRM*, p. 440
- ___ *Vocabulary PuzzleMaker CD-ROM*
- ___ msmath3.net/vocabulary_review
- ___ msmath3.net/chapter_test/leap21
- ___ msmath3.net/standardized_test/leap21
- ___ *Real Life Video and MindJogger Videoquizzes DVD*
- ___ Unit 3 Test/Review, *CRM*, pp. 443–444
- ___ [LEAP 21 Intervention Transparencies, Grade 8](#)
- ___ [Mastering the LEAP 21: Diagnose, Prescribe, and Practice Workbook, Grade 8](#)

Other Assessment Materials

- *ExamView Pro™ CD-ROM*
- [Mastering the LEAP 21 and GEE 21 CD-ROM](#)

KEY *SE* = Student Edition *TWE* = Teacher Wraparound Edition *CRM* = Chapter Resource Masters