

# Lesson Planning Guide (pp. 156–159)



4-1

Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 1 of 14
Block 90-minute periods	Day 1 of 7

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

## Objective

Express ratios as fractions in simplest form and determine unit rates.

### 1 Focus

Materials/Resources Needed \_\_\_\_\_

- \_\_\_\_\_ 5-Minute Check 4-1, *TWE*, p. 156
- \_\_\_\_\_ 5-Minute Check Transparencies with Standardized Test Practice, Lesson 4-1
- \_\_\_\_\_ Bellringer, *TWE*, p. 156
- \_\_\_\_\_ TeacherWorks CD-ROM, Louisiana Edition
- \_\_\_\_\_ StudentWorks CD-ROM, Louisiana Edition
- \_\_\_\_\_ Interactive Student Edition CD-ROM
- \_\_\_\_\_ Quick Review Math Handbook, Section 6-5

### 2 Teach

- \_\_\_\_\_ In-Class Examples, *TWE*, p. 157
- \_\_\_\_\_ *Teaching Mathematics with Foldables™*, p. 43
- \_\_\_\_\_ Interactive Chalkboard CD-ROM, Lesson 4-1
- \_\_\_\_\_ Daily Intervention, *TWE*, p. 157
- \_\_\_\_\_ Study Guide and Intervention, *CRM*, p. 185
- \_\_\_\_\_ Study Guide and Intervention Workbook, p. 25
- \_\_\_\_\_ Reading to Learn Mathematics, *CRM*, p. 188
- \_\_\_\_\_ TeacherWorks CD-ROM, Louisiana Edition
- \_\_\_\_\_ Key Teaching Transparencies

### 3 Practice/Apply

- \_\_\_\_\_ Practice: Skills, *CRM*, pp. 186–187
- \_\_\_\_\_ Practice: Skills Workbook, p. 25
- \_\_\_\_\_ Practice: Word Problems Workbook, p. 25
- \_\_\_\_\_ Extra Practice, *SE*, p. 624
- \_\_\_\_\_ msmath3.net/extra\_examples/leap21
- \_\_\_\_\_ Differentiated Instruction, *TWE*, p. 157
- \_\_\_\_\_ Skills Intervention, Skill 23
- \_\_\_\_\_ Calculator and Spreadsheet Masters, p. 21
- \_\_\_\_\_ Parent and Student Study Guide, Lesson 4-1
- \_\_\_\_\_ Virtual Activities for Middle School Mathematics, Level 3
- \_\_\_\_\_ Answer Key Transparencies, Lesson 4-1
- \_\_\_\_\_ MathPASS Tutorial CD-ROM, Lesson 21
- \_\_\_\_\_ WebQuest, Projects, and Interdisciplinary Investigations, pp. 31–36
- \_\_\_\_\_ Math Skills Maintenance, Skill 6

#### Assignment Guide, pp. 158–159, SE

Exercises	
Basic	1–45 odd
Advanced	1–27 odd, 29–46
Alternate Assignment _____	
_____	

- \_\_\_\_\_ Family Letters & Activities, *CRM*, pp. ix–x
- \_\_\_\_\_ Solutions Manual
- \_\_\_\_\_ Louisiana Noteables™: Interactive Study Notebook with Foldables™, Lesson 4-1

### 4 Assess

- \_\_\_\_\_ Open-Ended Assessment, *TWE*, p. 159
- \_\_\_\_\_ Enrichment, *CRM*, p. 189
- \_\_\_\_\_ Countdown to LEAP 21, *TWE*, p. LA21
- \_\_\_\_\_ AnswerKey Maker CD-ROM
- \_\_\_\_\_ msmath3.net/self\_check\_quiz/leap21

\_\_\_\_\_ Closing the Gap for Absent Students, pp. 60–61

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

# Lesson Planning Guide (pp. 160–164)



**4-2**

Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 2 of 14
Block 90-minute periods	Day 1 of 7

NCTM Standards
1, 2, 6, 7, 8, 9, 10
Louisiana Mathematics Framework, Grades 5–8 Benchmarks
M-1-M
Louisiana GLE
15, 18

## Objective

\_\_\_ Find rates of change.

### 1 Focus

Materials/Resources Needed \_\_\_\_\_

- \_\_\_ 5-Minute Check 4-2, *TWE*, p. 160
- \_\_\_ *5-Minute Check Transparencies with Standardized Test Practice*, Lesson 4-2
- \_\_\_ Bellringer, *TWE*, p. 160
- \_\_\_ *TeacherWorks CD-ROM, Louisiana Edition*
- \_\_\_ *StudentWorks CD-ROM, Louisiana Edition*
- \_\_\_ *Interactive Student Edition CD-ROM*
- \_\_\_ *Quick Review Math Handbook*, Sections 6-5, 9-4

### 2 Teach

- \_\_\_ In-Class Examples, *TWE*, pp. 161–162
- \_\_\_ *Teaching Mathematics with Foldables™*, p. 43
- \_\_\_ *Interactive Chalkboard CD-ROM*, Lesson 4-2
- \_\_\_ [msmath3.net/data\\_update](http://msmath3.net/data_update)
- \_\_\_ Daily Intervention, *TWE*, p. 161
- \_\_\_ Study Guide and Intervention, *CRM*, p. 190
- \_\_\_ *Study Guide and Intervention Workbook*, p. 26
- \_\_\_ Reading to Learn Mathematics, *CRM*, p. 193
- \_\_\_ *TeacherWorks CD-ROM, Louisiana Edition*

### 3 Practice/Apply

- \_\_\_ Practice: Skills, *CRM*, pp. 191–192
- \_\_\_ *Practice: Skills Workbook*, p. 26
- \_\_\_ *Practice: Word Problems Workbook*, p. 26
- \_\_\_ Extra Practice, *SE*, p. 624
- \_\_\_ [msmath3.net/extra\\_examples/leap21](http://msmath3.net/extra_examples/leap21)
- \_\_\_ *Skills Intervention*, Skill 23
- \_\_\_ *Parent and Student Study Guide*, Lesson 4-2
- \_\_\_ *Virtual Activities for Middle School Mathematics, Level 3*
- \_\_\_ *Answer Key Transparencies*, Lesson 4-2
- \_\_\_ *Math Skills Maintenance*, Skill 6
- \_\_\_ Family Letters & Activities, *CRM*, pp. ix–x
- \_\_\_ *Solutions Manual*

Assignment Guide, pp. 163–164, SE	
	Exercises
Basic	1–27 odd
Advanced	1–13 odd, 15–28
Alternate Assignment _____	
_____	

- \_\_\_ *Louisiana Noteables™: Interactive Study Notebook with Foldables™*, Lesson 4-2

### 4 Assess

- \_\_\_ Open-Ended Assessment, *TWE*, p. 164
- \_\_\_ Enrichment, *CRM*, p. 194
- \_\_\_ Countdown to LEAP 21, *TWE*, p. LA21
- \_\_\_ *AnswerKey Maker CD-ROM*
- \_\_\_ Assessment, Quiz, *CRM*, p. 239
- \_\_\_ [msmath3.net/self\\_check\\_quiz/leap21](http://msmath3.net/self_check_quiz/leap21)

\_\_\_ *Closing the Gap for Absent Students*, pp. 60–61

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

# Spreadseet Investigation (p. 165)



4-2b

Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 3 of 14
Block 90-minute periods	Day 1 of 7

NCTM Standards
1, 2, 6, 7, 8, 9, 10
Louisiana Mathematics Framework, Grades 5–8 Benchmarks
M-1-M, D-1-M
Louisiana GLE
15

## Objective

\_\_\_\_ Find rates of change using a spreadsheet.

### Getting Started

Materials/Resources Needed \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### Teach

Assignment Guide, p. 165, SE	
All	1–4
Alternate Assignment _____	

### Assess

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

# Lesson Planning Guide (pp. 166–169)



**4-3**

Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 4 of 14
Block 90-minute periods	Day 2 of 7

NCTM Standards
1, 2, 3, 6, 7, 8, 9, 10
Louisiana GLE
15

## Objective

\_\_\_ Find the slope of a line.

### 1 Focus

Materials/Resources Needed \_\_\_\_\_

- \_\_\_ 5-Minute Check 4-3, *TWE*, p. 166
- \_\_\_ *5-Minute Check Transparencies with Standardized Test Practice*, Lesson 4-3
- \_\_\_ Bellringer, *TWE*, p. 166
- \_\_\_ *TeacherWorks CD-ROM, Louisiana Edition*
- \_\_\_ *StudentWorks CD-ROM, Louisiana Edition*
- \_\_\_ *Interactive Student Edition CD-ROM*
- \_\_\_ *Quick Review Math Handbook*, Section 6-8

### 2 Teach

- \_\_\_ In-Class Examples, *TWE*, p. 167
- \_\_\_ *Teaching Mathematics with Foldables™*, p. 73
- \_\_\_ *Interactive Chalkboard CD-ROM*, Lesson 4-3
- \_\_\_ Daily Intervention, *TWE*, pp. 167, 168
- \_\_\_ Study Guide and Intervention, *CRM*, p. 195
- \_\_\_ *Study Guide and Intervention Workbook*, p. 27
- \_\_\_ Reading to Learn Mathematics, *CRM*, p. 198
- \_\_\_ *TeacherWorks CD-ROM, Louisiana Edition*

### 3 Practice/Apply

- \_\_\_ Practice: Skills, *CRM*, pp. 196–197
- \_\_\_ *Practice: Skills Workbook*, p. 27
- \_\_\_ *Practice: Word Problems Workbook*, p. 27
- \_\_\_ Extra Practice, *SE*, p. 624
- \_\_\_ [msmath3.net/extra\\_examples/leap21](http://msmath3.net/extra_examples/leap21)
- \_\_\_ Differentiated Instruction, *TWE*, p. 167
- \_\_\_ *Parent and Student Study Guide*, Lesson 4-3
- \_\_\_ *Virtual Activities for Middle School Mathematics, Level 3*
- \_\_\_ *Answer Key Transparencies*, Lesson 4-3
- \_\_\_ *Math Skills Maintenance*, Skill 6
- \_\_\_ Family Letters & Activities, *CRM*, pp. ix–x
- \_\_\_ *Solutions Manual*

#### Assignment Guide, pp. 168–169, SE

Exercises	
Basic	1–27 odd
Advanced	1–17 odd, 18–28
Alternate Assignment _____	

- \_\_\_ *Louisiana Noteables™: Interactive Study Notebook with Foldables™*, Lesson 4-3

### 4 Assess

- \_\_\_ Higher-Level Thinking, *TWE*, p. 169
- \_\_\_ Enrichment, *CRM*, p. 199
- \_\_\_ Countdown to LEAP 21, *TWE*, p. LA21
- \_\_\_ *AnswerKey Maker CD-ROM*
- \_\_\_ [msmath3.net/self\\_check\\_quiz/leap21](http://msmath3.net/self_check_quiz/leap21)

\_\_\_ *Closing the Gap for Absent Students*, pp. 60–61

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# Lesson Planning Guide (pp. 170–175)



4-4

Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 5 of 14
Block 90-minute periods	Day 2 of 7

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

## Objective

\_\_\_ Use proportions to solve problems.

### 1 Focus

Materials/Resources Needed \_\_\_\_\_

- \_\_\_ 5-Minute Check 4-4, *TWE*, p. 170
- \_\_\_ *5-Minute Check Transparencies with Standardized Test Practice*, Lesson 4-4
- \_\_\_ Bellringer, *TWE*, p. 170
- \_\_\_ *TeacherWorks CD-ROM, Louisiana Edition*
- \_\_\_ *StudentWorks CD-ROM, Louisiana Edition*
- \_\_\_ *Interactive Student Edition CD-ROM*
- \_\_\_ *Quick Review Math Handbook*, Section 6-5

### 2 Teach

- \_\_\_ In-Class Examples, *TWE*, p. 171
- \_\_\_ *Teaching Mathematics with Foldables™*, p. 43
- \_\_\_ *Interactive Chalkboard CD-ROM*, Lesson 4-4
- \_\_\_ Daily Intervention, *TWE*, p. 171
- \_\_\_ Study Guide and Intervention, *CRM*, p. 200
- \_\_\_ *Study Guide and Intervention Workbook*, p. 28
- \_\_\_ Reading to Learn Mathematics, *CRM*, p. 203
- \_\_\_ *TeacherWorks CD-ROM, Louisiana Edition*
- \_\_\_ *Key Teaching Transparencies*

### 3 Practice/Apply

- \_\_\_ Practice: Skills, *CRM*, pp. 201–202
- \_\_\_ *Practice: Skills Workbook*, p. 28
- \_\_\_ *Practice: Word Problems Workbook*, p. 28
- \_\_\_ Extra Practice, *SE*, p. 625
- \_\_\_ [msmath3.net/extra\\_examples/leap21](http://msmath3.net/extra_examples/leap21)
- \_\_\_ *Calculator and Spreadsheet Masters*, p. 22
- \_\_\_ *Parent and Student Study Guide*, Lesson 4-4
- \_\_\_ *Virtual Activities for Middle School Mathematics, Level 3*
- \_\_\_ *Answer Key Transparencies*, Lesson 4-4
- \_\_\_ *MathPASS Tutorial CD-ROM*, Lesson 22
- \_\_\_ *WebQuest, Projects, and Interdisciplinary Investigations*, pp. 31–36
- \_\_\_ The Game Zone, *SE*, p. 175
- \_\_\_ *Math Skills Maintenance*, Skill 5

#### Assignment Guide, pp. 172–173, SE

Exercises	
Basic	1–51 odd
Advanced	1–33 odd, 35–51
Alternate Assignment _____	
_____	

- \_\_\_ Family Letters & Activities, *CRM*, pp. ix–x
- \_\_\_ *Solutions Manual*
- \_\_\_ *Louisiana Noteables™: Interactive Study Notebook with Foldables™*, Lesson 4-4

### 4 Assess

- \_\_\_ Open-Ended Assessment, *TWE*, p. 173
- \_\_\_ Enrichment, *CRM*, p. 204
- \_\_\_ Assessment, Mid-Chapter Test, *CRM*, p. 241
- \_\_\_ Mid-Chapter Practice Test, *SE*, p. 174
- \_\_\_ Countdown to LEAP 21, *TWE*, p. LA21
- \_\_\_ *AnswerKey Maker CD-ROM*
- \_\_\_ Assessment, Quiz, *CRM*, p. 239
- \_\_\_ [msmath3.net/self\\_check\\_quiz/leap21](http://msmath3.net/self_check_quiz/leap21)

\_\_\_ *Closing the Gap for Absent Students*, pp. 60–61

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# Problem-Solving Strategy (pp. 176–177)



4-5a

Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 6 of 14
Block 90-minute periods	Day 3 of 7

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

## Objective

\_\_\_ Solve problems by using the draw a diagram strategy.

### Getting Started

Materials/Resources Needed \_\_\_\_\_

### Focus

\_\_\_ Bellringer, *TWE*, p. 176

### Teach

- \_\_\_ *Glencoe Mathematics Classroom Manipulative Kit*
- \_\_\_ In-Class Examples, *TWE*, p. 176
- \_\_\_ Daily Intervention, *TWE*, p. 176

Assignment Guide, pp. 176–177, SE	
All	1–15
Alternate Assignment	_____

### Assess

\_\_\_ Higher-Level Thinking, *TWE*, p. 177

# Lesson Planning Guide (pp. 178–182)



4-5

Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 7 of 14
Block 90-minute periods	Day 3 of 7

NCTM Standards
1, 2, 3, 4, 6, 7, 8, 9, 10
Louisiana Mathematics Framework, Grades 5–8 Benchmarks
N-8-M, M-1-M, G-2-M
Louisiana GLE
24, 29

## Objective

\_\_\_ Identify similar polygons and find missing measures of similar polygons.

### 1 Focus

Materials/Resources Needed \_\_\_\_\_

- \_\_\_ 5-Minute Check 4-5, *TWE*, p. 178
- \_\_\_ *5-Minute Check Transparencies with Standardized Test Practice*, Lesson 4-5
- \_\_\_ Bellringer, *TWE*, p. 178
- \_\_\_ *TeacherWorks CD-ROM, Louisiana Edition*
- \_\_\_ *StudentWorks CD-ROM, Louisiana Edition*
- \_\_\_ *Interactive Student Edition CD-ROM*
- \_\_\_ *Quick Review Math Handbook*, Sections 6-5, 8-6

### 2 Teach

- \_\_\_ In-Class Examples, *TWE*, pp. 179–180
- \_\_\_ *Teaching Mathematics with Foldables™*, p. 43
- \_\_\_ *Interactive Chalkboard CD-ROM*, Lesson 4-5
- \_\_\_ Daily Intervention, *TWE*, p. 179
- \_\_\_ Study Guide and Intervention, *CRM*, p. 205
- \_\_\_ *Study Guide and Intervention Workbook*, p. 29
- \_\_\_ Reading to Learn Mathematics, *CRM*, p. 208
- \_\_\_ *TeacherWorks CD-ROM, Louisiana Edition*

### 3 Practice/Apply

- \_\_\_ Practice: Skills, *CRM*, pp. 206–207
- \_\_\_ *Practice: Skills Workbook*, p. 29
- \_\_\_ *Practice: Word Problems Workbook*, p. 29
- \_\_\_ Extra Practice, *SE*, p. 625
- \_\_\_ [msmath3.net/extra\\_examples/leap21](http://msmath3.net/extra_examples/leap21)
- \_\_\_ *Parent and Student Study Guide*, Lesson 4-5
- \_\_\_ *Virtual Activities for Middle School Mathematics, Level 3*
- \_\_\_ *Answer Key Transparencies*, Lesson 4-5
- \_\_\_ *MathPASS Tutorial CD-ROM*, Lesson 23
- \_\_\_ *Math Skills Maintenance*, Skills 5, 6
- \_\_\_ Family Letters & Activities, *CRM*, pp. ix–x
- \_\_\_ *Solutions Manual*

#### Assignment Guide, pp. 181–182, SE

Exercises	
Basic	1–27 odd
Advanced	1–11 odd, 13–27
Alternate Assignment _____	
_____	

- \_\_\_ *Louisiana Noteables™: Interactive Study Notebook with Foldables™*, Lesson 4-5

### 4 Assess

- \_\_\_ Open-Ended Assessment, *TWE*, p. 182
- \_\_\_ Enrichment, *CRM*, p. 209
- \_\_\_ Countdown to LEAP 21, *TWE*, p. LA22
- \_\_\_ *AnswerKey Maker CD-ROM*
- \_\_\_ [msmath3.net/self\\_check\\_quiz/leap21](http://msmath3.net/self_check_quiz/leap21)

\_\_\_ *Closing the Gap for Absent Students*, pp. 60–61

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# Hands-On Lab (p. 183)



**4-5b**

Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 8 of 14
Block 90-minute periods	Day 3 of 7

NCTM Standards
1, 2, 3, 4, 5, 6, 7, 8, 9, 10

## Objective

Find the value of the golden ratio.

### Getting Started

Materials/Resources Needed grid paper, scissors, calculator, tape measure

### Focus

### Teach

- *Teaching Math with Manipulatives*, p. 50
- *Overhead Manipulative Resources*
- *Glencoe Mathematics Classroom Manipulative Kit*
- *Glencoe Mathematics Student Manipulative Kit*

Assignment Guide, p. 183, SE	
All	1–5
Alternate Assignment _____	

### Assess

# Lesson Planning Guide (pp. 184–187)



4-6

Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 9 of 14
Block 90-minute periods	Day 4 of 7

NCTM Standards
1, 2, 3, 4, 6, 7, 8, 9, 10
Louisiana Mathematics Framework, Grades 5–8 Benchmarks
N-8-M, G-2-M, G-5-M
Louisiana GLE
30

## Objective

\_\_\_ Solve problems involving scale drawings.

### 1 Focus

Materials/Resources Needed \_\_\_\_\_

- \_\_\_ 5-Minute Check 4-6, *TWE*, p. 184
- \_\_\_ *5-Minute Check Transparencies with Standardized Test Practice*, Lesson 4-6
- \_\_\_ Bellringer, *TWE*, p. 184
- \_\_\_ *TeacherWorks CD-ROM, Louisiana Edition*
- \_\_\_ *StudentWorks CD-ROM, Louisiana Edition*
- \_\_\_ *Interactive Student Edition CD-ROM*
- \_\_\_ *Quick Review Math Handbook*, Sections 6-4, 8-6

### 2 Teach

- \_\_\_ In-Class Examples, *TWE*, p. 185
- \_\_\_ *Teaching Math with Manipulatives*, p. 51
- \_\_\_ *Teaching Mathematics with Foldables™*, p. 43
- \_\_\_ *Interactive Chalkboard CD-ROM*, Lesson 4-6
- \_\_\_ Daily Intervention, *TWE*, pp. 185, 186
- \_\_\_ Study Guide and Intervention, *CRM*, p. 210
- \_\_\_ *Study Guide and Intervention Workbook*, p. 30
- \_\_\_ Reading to Learn Mathematics, *CRM*, p. 213
- \_\_\_ *TeacherWorks CD-ROM, Louisiana Edition*

### 3 Practice/Apply

- \_\_\_ Practice: Skills, *CRM*, pp. 211–212
- \_\_\_ *Practice: Skills Workbook*, p. 30
- \_\_\_ *Practice: Word Problems Workbook*, p. 30
- \_\_\_ Extra Practice, *SE*, p. 625
- \_\_\_ [msmath3.net/extra\\_examples/leap21](http://msmath3.net/extra_examples/leap21)
- \_\_\_ Differentiated Instruction, *TWE*, p. 185
- \_\_\_ *Calculator and Spreadsheet Masters*, p. 23
- \_\_\_ *Parent and Student Study Guide*, Lesson 4-6
- \_\_\_ *Virtual Activities for Middle School Mathematics, Level 3*
- \_\_\_ *Answer Key Transparencies*, Lesson 4-6
- \_\_\_ *Math Skills Maintenance*, Skill 5
- \_\_\_ Family Letters & Activities, *CRM*, pp. ix–x
- \_\_\_ *Solutions Manual*

#### Assignment Guide, pp. 186–187, SE

Exercises	
Basic	1–29 odd
Advanced	1–13 odd, 14–30
Alternate Assignment _____	
_____	

- \_\_\_ *Louisiana Noteables™: Interactive Study Notebook with Foldables™*, Lesson 4-6

### 4 Assess

- \_\_\_ Higher-Level Thinking, *TWE*, p. 187
- \_\_\_ Enrichment, *CRM*, p. 214
- \_\_\_ Countdown to LEAP 21, *TWE*, p. LA22
- \_\_\_ *AnswerKey Maker CD-ROM*
- \_\_\_ Assessment, Quiz, *CRM*, p. 240
- \_\_\_ [msmath3.net/self\\_check\\_quiz/leap21](http://msmath3.net/self_check_quiz/leap21)

\_\_\_ *Closing the Gap for Absent Students*, pp. 60–61

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# Lesson Planning Guide (pp. 188–191)



**4-7**

Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 10 of 14
Block 90-minute periods	Day 5 of 7

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

## Objective

\_\_\_ Solve problems involving similar triangles.

### 1 Focus

- Materials/Resources Needed \_\_\_\_\_
- \_\_\_ 5-Minute Check 4-7, *TWE*, p. 188
  - \_\_\_ *5-Minute Check Transparencies with Standardized Test Practice*, Lesson 4-7
  - \_\_\_ Bellringer, *TWE*, p. 188
  - \_\_\_ *TeacherWorks CD-ROM, Louisiana Edition*
  - \_\_\_ *StudentWorks CD-ROM, Louisiana Edition*
  - \_\_\_ *Interactive Student Edition CD-ROM*
  - \_\_\_ *Quick Review Math Handbook*, Sections 6-5, 7-10, 8-6

### 2 Teach

- \_\_\_ In-Class Examples, *TWE*, p. 189
- \_\_\_ *Teaching Mathematics with Foldables™*, p. 43
- \_\_\_ *Interactive Chalkboard CD-ROM*, Lesson 4-7
- \_\_\_ Daily Intervention, *TWE*, p. 189
- \_\_\_ Study Guide and Intervention, *CRM*, p. 215
- \_\_\_ *Study Guide and Intervention Workbook*, p. 31
- \_\_\_ Reading to Learn Mathematics, *CRM*, p. 218
- \_\_\_ *TeacherWorks CD-ROM, Louisiana Edition*
- \_\_\_ *Key Teaching Transparencies*

### 3 Practice/Apply

- \_\_\_ Practice: Skills, *CRM*, pp. 216–217
- \_\_\_ *Practice: Skills Workbook*, p. 31
- \_\_\_ *Practice: Word Problems Workbook*, p. 31
- \_\_\_ Extra Practice, *SE*, p. 626
- \_\_\_ [msmath3.net/extra\\_examples/leap21](http://msmath3.net/extra_examples/leap21)
- \_\_\_ Differentiated Instruction, *TWE*, p. 189
- \_\_\_ *Parent and Student Study Guide*, Lesson 4-7
- \_\_\_ *Virtual Activities for Middle School Mathematics, Level 3*
- \_\_\_ *Answer Key Transparencies*, Lesson 4-7
- \_\_\_ *Math Skills Maintenance*, Skill 5
- \_\_\_ Family Letters & Activities, *CRM*, pp. ix–x
- \_\_\_ *Solutions Manual*

Assignment Guide, pp. 189–191, SE	
	Exercises
Basic	1–37 odd
Advanced	1–37
Alternate Assignment _____	
_____	

- \_\_\_ *Louisiana Noteables™: Interactive Study Notebook with Foldables™*, Lesson 4-7

### 4 Assess

- \_\_\_ Higher-Level Thinking, *TWE*, p. 191
- \_\_\_ Enrichment, *CRM*, p. 219
- \_\_\_ Countdown to LEAP 21, *TWE*, p. LA22
- \_\_\_ *AnswerKey Maker CD-ROM*
- \_\_\_ [msmath3.net/self\\_check\\_quiz/leap21](http://msmath3.net/self_check_quiz/leap21)

\_\_\_ *Closing the Gap for Absent Students*, pp. 60–61

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# Hands-On Lab (pp. 192–193)



4-7b

Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 11 of 14
Block 90-minute periods	Day 5 of 7

NCTM Standards
1, 2, 3, 4, 6, 7, 8, 9, 10

## Objective

\_\_\_\_ Solve problems by using the trigonometric ratios of sine, cosine, and tangent.

### Getting Started

Materials/Resources Needed protractor, metric ruler, calculator

### Focus

### Teach

- \_\_\_\_ *Teaching Math with Manipulatives*, p. 52
- \_\_\_\_ *Overhead Manipulative Resources*
- \_\_\_\_ *Glencoe Mathematics Classroom Manipulative Kit*
- \_\_\_\_ *Glencoe Mathematics Student Manipulative Kit*

Assignment Guide, p. 193, SE	
All	1–11
Alternate Assignment	_____

### Assess

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

# Lesson Planning Guide (pp. 194–197)



**4-8**

Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 12 of 14
Block 90-minute periods	Day 6 of 7

NCTM Standards
1, 2, 3, 6, 7, 8, 9, 10
Louisiana Mathematics Framework, Grades 5–8 Benchmarks
N-8-M, G-2-M, G-3-M
Louisiana GLE
26

## Objective

\_\_\_ Graph dilations on a coordinate plane.

### 1 Focus

Materials/Resources Needed \_\_\_\_\_

- \_\_\_ 5-Minute Check 4-8, *TWE*, p. 194
- \_\_\_ *5-Minute Check Transparencies with Standardized Test Practice*, Lesson 4-8
- \_\_\_ Bellringer, *TWE*, p. 194
- \_\_\_ *TeacherWorks CD-ROM, Louisiana Edition*
- \_\_\_ *StudentWorks CD-ROM, Louisiana Edition*
- \_\_\_ *Interactive Student Edition CD-ROM*
- \_\_\_ *Quick Review Math Handbook*, Section 7-3

### 2 Teach

- \_\_\_ In-Class Examples, *TWE*, p. 195
- \_\_\_ *Teaching Math with Manipulatives*, pp. 53–54
- \_\_\_ *Teaching Mathematics with Foldables™*, p. 43
- \_\_\_ *Interactive Chalkboard CD-ROM*, Lesson 4-8
- \_\_\_ Daily Intervention, *TWE*, p. 195
- \_\_\_ Study Guide and Intervention, *CRM*, p. 220
- \_\_\_ *Study Guide and Intervention Workbook*, p. 32
- \_\_\_ Reading to Learn Mathematics, *CRM*, p. 223
- \_\_\_ *TeacherWorks CD-ROM, Louisiana Edition*
- \_\_\_ *Key Teaching Transparencies*

### 3 Practice/Apply

- \_\_\_ Practice: Skills, *CRM*, pp. 221–222
- \_\_\_ *Practice: Skills Workbook*, p. 32
- \_\_\_ *Practice: Word Problems Workbook*, p. 32
- \_\_\_ Extra Practice, *SE*, p. 626
- \_\_\_ [msmath3.net/extra\\_examples/leap21](http://msmath3.net/extra_examples/leap21)
- \_\_\_ *Calculator and Spreadsheet Masters*, p. 24
- \_\_\_ *Parent and Student Study Guide*, Lesson 4-8
- \_\_\_ *Real-Life Career Masters*
- \_\_\_ *Virtual Activities for Middle School Mathematics, Level 3*
- \_\_\_ *Answer Key Transparencies*, Lesson 4-8
- \_\_\_ *WebQuest, Projects, and Interdisciplinary Investigations*, pp. 31–36
- \_\_\_ *Math Skills Maintenance*, Skills 5, 34
- \_\_\_ Family Letters & Activities, *CRM*, pp. ix–x

Assignment Guide, pp. 196–197, SE	
	Exercises
Basic	1–29 odd
Advanced	1–15 odd, 17–29
Alternate Assignment _____	
_____	

- \_\_\_ *Solutions Manual*
- \_\_\_ *Louisiana Noteables™: Interactive Study Notebook with Foldables™*, Lesson 4-8

### 4 Assess

- \_\_\_ Higher-Level Thinking, *TWE*, p. 197
- \_\_\_ Enrichment, *CRM*, p. 224
- \_\_\_ Countdown to LEAP 21, *TWE*, p. LA23
- \_\_\_ *AnswerKey Maker CD-ROM*
- \_\_\_ Assessment, Quiz, *CRM*, p. 240
- \_\_\_ [msmath3.net/self\\_check\\_quiz/leap21](http://msmath3.net/self_check_quiz/leap21)

\_\_\_ *Closing the Gap for Absent Students*, pp. 60–61

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# Review and Testing (pp. 198–203)



4

Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Days 13 & 14 of 14
Block 90-minute periods	Day 7 of 7

## Assess

- \_\_\_ Vocabulary and Concept Check, *SE*, p. 198
- \_\_\_ Portfolio Suggestion, *TWE*, p. 201
- \_\_\_ Vocabulary Test/Review, *CRM*, p. 238
- \_\_\_ Lesson-by-Lesson Review, *SE*, pp. 198–200
- \_\_\_ Practice Test, *SE*, p. 201
- \_\_\_ *Teaching Mathematics with Foldables™*, pp. 43, 73
- \_\_\_ Chapter 4 Tests, *CRM*, pp. 225–236
- \_\_\_ Extended Response Assessment, *CRM*, p. 237
- \_\_\_ Standardized Test Practice, *SE*, pp. 202–203
- \_\_\_ Standardized Test Practice, *CRM*, pp. 243–244
- \_\_\_ Cumulative Review, *CRM*, p. 242
- \_\_\_ *Vocabulary PuzzleMaker CD-ROM*
- \_\_\_ [msmath3.net/vocabulary\\_review](http://msmath3.net/vocabulary_review)
- \_\_\_ [msmath3.net/chapter\\_test/leap21](http://msmath3.net/chapter_test/leap21)
- \_\_\_ [msmath3.net/standardized\\_test/leap21](http://msmath3.net/standardized_test/leap21)
- \_\_\_ *Real Life Video and MindJogger Videoquizzes DVD*
- \_\_\_ *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*

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