

Lesson Planning Guide (pp. 334–337)



8-1

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 1 of 11
Block 90-minute periods	Day 1 of 6

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

Objective

___ Estimate percents by using fractions and decimals.

1 Focus

Materials/Resources Needed _____

- ___ 5-Minute Check 8-1, *TWE*, p. 334
- ___ 5-Minute Check Transparencies with Standardized Test Practice, Lesson 8-1
- ___ Bellringer, *TWE*, p. 334
- ___ TeacherWorks CD-ROM, Louisiana Edition
- ___ StudentWorks CD-ROM, Louisiana Edition
- ___ Interactive Student Edition CD-ROM
- ___ Quick Review Math Handbook, Section 2-8

2 Teach

- ___ In-Class Examples, *TWE*, pp. 335–336
- ___ *Teaching Math with Manipulatives*, p. 75
- ___ *Teaching Mathematics with Foldables™*, p. 42
- ___ *Interactive Chalkboard CD-ROM*, Lesson 8-1
- ___ Daily Intervention, *TWE*, p. 335
- ___ Study Guide and Intervention, *CRM*, p. 435
- ___ *Study Guide and Intervention Workbook*, p. 57
- ___ Reading to Learn Mathematics, *CRM*, p. 438
- ___ TeacherWorks CD-ROM, Louisiana Edition

3 Practice/Apply

- ___ Practice: Skills, *CRM*, pp. 436–437
- ___ *Practice: Skills Workbook*, p. 57
- ___ *Practice: Word Problems Workbook*, p. 57
- ___ Extra Practice, *SE*, p. 582
- ___ msmath2.net/extra_examples/leap21
- ___ Differentiated Instruction, *TWE*, p. 335
- ___ *Parent and Student Study Guide*, Lesson 8-1
- ___ *Virtual Activities for Middle School Mathematics, Level 2*
- ___ *Answer Key Transparencies*, Lesson 8-1
- ___ *Math Skills Maintenance*, Skills 10, 26, 34
- ___ Family Letters & Activities, *CRM*, pp. ix–x
- ___ *Solutions Manual*

Assignment Guide, pp. 336–337, SE

Exercises	
Basic	1–45 odd
Advanced	1–31 odd, 33–46
Alternate Assignment _____	

- ___ Louisiana Noteables™: Interactive Study Notebook with Foldables™, Lesson 8-1

4 Assess

- ___ Open-Ended Assessment, *TWE*, p. 337
- ___ Enrichment, *CRM*, p. 439
- ___ Countdown to LEAP 21, *TWE*, p. LA32
- ___ *AnswerKey Maker CD-ROM*
- ___ msmath2.net/self_check_quiz/leap21

___ *Closing the Gap for Absent Students*, pp. 44–45

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

Problem-Solving Strategy (pp. 338–339)



8-1b

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 2 of 11
Block 90-minute periods	Day 1 of 6

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

Objective

____ Solve problems by determining reasonable answers.

Getting Started

Materials/Resources Needed _____

Focus

____ Bellringer, *TWE*, p. 338

Teach

- ____ *Glencoe Mathematics Classroom Manipulative Kit*
- ____ In-Class Examples, *TWE*, p. 338
- ____ Daily Intervention, *TWE*, p. 338

Assignment Guide, pp. 338–339, SE	
All	1–13
Alternate Assignment _____	

Assess

____ Open-Ended Assessment, *TWE*, p. 339

Lesson Planning Guide (pp. 340–343)



8-2

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 3 of 11
Block 90-minute periods	Day 2 of 6

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

Objective

— Solve problems by using the percent equation.

1 Focus

Materials/Resources Needed _____

- 5-Minute Check 8-2, *TWE*, p. 340
- *5-Minute Check Transparencies with Standardized Test Practice*, Lesson 8-2
- Bellringer, *TWE*, p. 340
- *TeacherWorks CD-ROM, Louisiana Edition*
- *StudentWorks CD-ROM, Louisiana Edition*
- *Interactive Student Edition CD-ROM*
- *Quick Review Math Handbook*, Sections 2-8, 6-5

2 Teach

- In-Class Examples, *TWE*, p. 341
- *Teaching Mathematics with Foldables™*, pp. 42, 43
- *Interactive Chalkboard CD-ROM*, Lesson 8-2
- msmath2.net/data_update
- Daily Intervention, *TWE*, p. 341
- Study Guide and Intervention, *CRM*, p. 440
- *Study Guide and Intervention Workbook*, p. 58
- Reading to Learn Mathematics, *CRM*, p. 443
- *TeacherWorks CD-ROM, Louisiana Edition*
- *Key Teaching Transparencies*

3 Practice/Apply

- Practice: Skills, *CRM*, pp. 441–442
- *Practice: Skills Workbook*, p. 58
- *Practice: Word Problems Workbook*, p. 58
- Extra Practice, *SE*, p. 583
- msmath2.net/extra_examples/leap21
- Differentiated Instruction, *TWE*, p. 341
- *Parent and Student Study Guide*, Lesson 8-2
- *Real-Life Career Masters*
- *Virtual Activities for Middle School Mathematics, Level 2*
- Answer Key Transparencies, Lesson 8-2
- *MathPASS Tutorial CD-ROM*, Lessons 35, 36
- *WebQuest, Projects, and Interdisciplinary Investigations*, pp. 55–60
- *Math Skills Maintenance*, Skills 8, 9, 20, 21, 22, 23

Assignment Guide, pp. 342–343, SE	
	Exercises
Basic	1–43 odd
Advanced	1–21 odd, 23–43
Alternate Assignment _____	

- Family Letters & Activities, *CRM*, pp. ix–x
- *Solutions Manual*
- *Louisiana Noteables™: Interactive Study Notebook with Foldables™*, Lesson 8-2

4 Assess

- Open-Ended Assessment, *TWE*, p. 343
- Enrichment, *CRM*, p. 444
- Countdown to LEAP 21, *TWE*, p. LA32
- *AnswerKey Maker CD-ROM*
- Assessment, Quiz, *CRM*, p. 479
- msmath2.net/self_check_quiz/leap21

— *Closing the Gap for Absent Students*, pp. 44–45

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

Hands-On Lab (p. 344)



8-3a

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 4 of 11
Block 90-minute periods	Day 3 of 6

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

Objective

___ Use sampling to collect data.

Getting Started

Materials/Resources Needed _____

Focus

Teach

- ___ *Teaching Math with Manipulatives*, p. 76
- ___ *Overhead Manipulative Resources*
- ___ *Glencoe Mathematics Classroom Manipulative Kit*
- ___ *Glencoe Mathematics Student Manipulative Kit*

Assignment Guide, p. 344, SE	
All	1–7
Alternate Assignment _____	

Assess

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Lesson Planning Guide (pp. 345–349)



8-3

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 5 of 11
Block 90-minute periods	Day 3 of 6

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

Objective

___ Predict actions of a larger group by using a sample.

1 Focus

Materials/Resources Needed _____

- ___ 5-Minute Check 8-3, *TWE*, p. 345
- ___ *5-Minute Check Transparencies with Standardized Test Practice*, Lesson 8-3
- ___ Bellringer, *TWE*, p. 345
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *StudentWorks CD-ROM, Louisiana Edition*
- ___ *Interactive Student Edition CD-ROM*
- ___ *Quick Review Math Handbook*, Sections 4-1, 4-3

2 Teach

- ___ In-Class Examples, *TWE*, p. 346
- ___ *Interactive Chalkboard CD-ROM*, Lesson 8-3
- ___ Daily Intervention, *TWE*, p. 346
- ___ Study Guide and Intervention, *CRM*, p. 445
- ___ *Study Guide and Intervention Workbook*, p. 59
- ___ Reading to Learn Mathematics, *CRM*, p. 448
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *Key Teaching Transparencies*

3 Practice/Apply

- ___ Practice: Skills, *CRM*, pp. 446–447
- ___ *Practice: Skills Workbook*, p. 59
- ___ *Practice: Word Problems Workbook*, p. 59
- ___ Extra Practice, *SE*, p. 583
- ___ msmath2.net/extra_examples/leap21
- ___ *Parent and Student Study Guide*, Lesson 8-3
- ___ *Virtual Activities for Middle School Mathematics, Level 2*
- ___ *Answer Key Transparencies*, Lesson 8-3
- ___ *WebQuest, Projects, and Interdisciplinary Investigations*, pp. 55–60
- ___ The Game Zone, *SE*, p. 349
- ___ *Math Skills Maintenance*, Skills 8, 9, 20, 21, 22, 23
- ___ Family Letters & Activities, *CRM*, pp. ix–x

Assignment Guide, pp. 346–347, *SE*

Exercises	
Basic	1–17 odd
Advanced	1–17
Alternate Assignment _____	

- ___ *Solutions Manual*
- ___ *Louisiana Noteables™: Interactive Study Notebook with Foldables™*, Lesson 8-3

4 Assess

- ___ Open-Ended Assessment, *TWE*, p. 347
- ___ Enrichment, *CRM*, p. 449
- ___ Assessment, Mid-Chapter Test, *CRM*, p. 481
- ___ Mid-Chapter Practice Test, *SE*, p. 348
- ___ Countdown to LEAP 21, *TWE*, p. LA32
- ___ *AnswerKey Maker CD-ROM*
- ___ Assessment, Quiz, *CRM*, p. 479
- ___ msmath2.net/self_check_quiz/leap21

___ *Closing the Gap for Absent Students*, pp. 44–45

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Lesson Planning Guide (pp. 350–353)



8-4

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 6 of 11
Block 90-minute periods	Day 4 of 6

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

Objective

___ Find the percent of increase or decrease.

1 Focus

Materials/Resources Needed _____

- ___ 5-Minute Check 8-4, *TWE*, p. 350
- ___ *5-Minute Check Transparencies with Standardized Test Practice*, Lesson 8-4
- ___ Bellringer, *TWE*, p. 350
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *StudentWorks CD-ROM, Louisiana Edition*
- ___ *Interactive Student Edition CD-ROM*
- ___ *Quick Review Math Handbook*, Sections 2-8, 6-5

2 Teach

- ___ In-Class Examples, *TWE*, p. 351
- ___ *Teaching Math with Manipulatives*, pp. 77–78
- ___ *Teaching Mathematics with Foldables™*, pp. 42, 43
- ___ *Interactive Chalkboard CD-ROM*, Lesson 8-4
- ___ Daily Intervention, *TWE*, pp. 351, 352
- ___ Study Guide and Intervention, *CRM*, p. 450
- ___ *Study Guide and Intervention Workbook*, p. 60
- ___ Reading to Learn Mathematics, *CRM*, p. 453
- ___ *TeacherWorks CD-ROM, Louisiana Edition*

3 Practice/Apply

- ___ Practice: Skills, *CRM*, pp. 451–452
- ___ *Practice: Skills Workbook*, p. 60
- ___ *Practice: Word Problems Workbook*, p. 60
- ___ Extra Practice, *SE*, p. 583
- ___ msmath2.net/extra_examples/leap21
- ___ *Parent and Student Study Guide*, Lesson 8-4
- ___ *Real-Life Career Masters*
- ___ *Virtual Activities for Middle School Mathematics, Level 2*
- ___ *Answer Key Transparencies*, Lesson 8-4
- ___ *Math Skills Maintenance*, Skills 8, 21, 23, 24
- ___ Family Letters & Activities, *CRM*, pp. ix–x
- ___ *Solutions Manual*

Assignment Guide, pp. 352–353, *SE*

Exercises	
Basic	1–41 odd
Advanced	1–21 odd, 23–41
Alternate Assignment _____	

- ___ *Louisiana Noteables™: Interactive Study Notebook with Foldables™*, Lesson 8-4

4 Assess

- ___ Higher-Level Thinking, *TWE*, p. 353
- ___ Enrichment, *CRM*, p. 454
- ___ *AnswerKey Maker CD-ROM*
- ___ msmath2.net/self_check_quiz/leap21

___ *Closing the Gap for Absent Students*, pp. 44–45

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Lesson Planning Guide (pp. 354–357)



8-5

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 7 of 11
Block 90-minute periods	Day 4 of 6

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

Objective

___ Solve problems involving sales tax and discount.

1 Focus

Materials/Resources Needed _____

- ___ 5-Minute Check 8-5, *TWE*, p. 354
- ___ *5-Minute Check Transparencies with Standardized Test Practice*, Lesson 8-5
- ___ Bellringer, *TWE*, p. 354
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *StudentWorks CD-ROM, Louisiana Edition*
- ___ *Interactive Student Edition CD-ROM*
- ___ *Quick Review Math Handbook*, Sections 2-8, 6-5

2 Teach

- ___ In-Class Examples, *TWE*, p. 355
- ___ *Teaching Mathematics with Foldables™*, pp. 42, 43
- ___ *Interactive Chalkboard CD-ROM*, Lesson 8-5
- ___ Daily Intervention, *TWE*, p. 355
- ___ Study Guide and Intervention, *CRM*, p. 455
- ___ *Study Guide and Intervention Workbook*, p. 61
- ___ Reading to Learn Mathematics, *CRM*, p. 458
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *Key Teaching Transparencies*

3 Practice/Apply

- ___ Practice: Skills, *CRM*, pp. 456–457
- ___ *Practice: Skills Workbook*, p. 61
- ___ *Practice: Word Problems Workbook*, p. 61
- ___ Extra Practice, *SE*, p. 584
- ___ msmath2.net/extra_examples/leap21
- ___ Differentiated Instruction, *TWE*, p. 355
- ___ *Calculator and Spreadsheet Masters*, p. 41
- ___ *Parent and Student Study Guide*, Lesson 8-5
- ___ *Virtual Activities for Middle School Mathematics, Level 2*
- ___ *Answer Key Transparencies*, Lesson 8-5
- ___ *Math Skills Maintenance*, Skills 19, 20, 21, 23
- ___ Family Letters & Activities, *CRM*, pp. ix–x
- ___ *Solutions Manual*

Assignment Guide, pp. 356–357, SE

Exercises	
Basic	1–41 odd
Advanced	1–23 odd, 25–42
Alternate Assignment _____	

- ___ *Louisiana Noteables™: Interactive Study Notebook with Foldables™*, Lesson 8-5

4 Assess

- ___ Higher-Level Thinking, *TWE*, p. 357
- ___ Enrichment, *CRM*, p. 459
- ___ *AnswerKey Maker CD-ROM*
- ___ Assessment, Quiz, *CRM*, p. 480
- ___ msmath2.net/self_check_quiz/leap21

___ *Closing the Gap for Absent Students*, pp. 44–45

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Lesson Planning Guide (pp. 358–360)



8-6

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 8 of 11
Block 90-minute periods	Day 5 of 6

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

Objective

___ Solve problems involving simple interest.

1 Focus

Materials/Resources Needed _____

- ___ 5-Minute Check 8-6, *TWE*, p. 358
- ___ *5-Minute Check Transparencies with Standardized Test Practice*, Lesson 8-6
- ___ Bellringer, *TWE*, p. 358
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *StudentWorks CD-ROM, Louisiana Edition*
- ___ *Interactive Student Edition CD-ROM*
- ___ *Quick Review Math Handbook*, Sections 2-8, 9-4

2 Teach

- ___ In-Class Examples, *TWE*, p. 359
- ___ *Interactive Chalkboard CD-ROM*, Lesson 8-6
- ___ Daily Intervention, *TWE*, p. 358
- ___ Study Guide and Intervention, *CRM*, p. 460
- ___ *Study Guide and Intervention Workbook*, p. 62
- ___ Reading to Learn Mathematics, *CRM*, p. 463
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *Key Teaching Transparencies*

3 Practice/Apply

- ___ Practice: Skills, *CRM*, pp. 461–462
- ___ *Practice: Skills Workbook*, p. 62
- ___ *Practice: Word Problems Workbook*, p. 62
- ___ Extra Practice, *SE*, p. 584
- ___ msmath2.net/extra_examples/leap21
- ___ *Calculator and Spreadsheet Masters*, p. 42
- ___ *Parent and Student Study Guide*, Lesson 8-6
- ___ *Virtual Activities for Middle School Mathematics, Level 2*
- ___ *Answer Key Transparencies*, Lesson 8-6
- ___ *MathPASS Tutorial CD-ROM*, Lesson 37
- ___ *WebQuest, Projects, and Interdisciplinary Investigations*, pp. 55–60
- ___ *Math Skills Maintenance*, Skill 20
- ___ Family Letters & Activities, *CRM*, pp. ix–x

Assignment Guide, pp. 359–360, SE

Exercises	
Basic	1–29 odd
Advanced	1–17 odd, 19–29
Alternate Assignment _____	

- ___ *Solutions Manual*
- ___ *Louisiana Noteables™: Interactive Study Notebook with Foldables™*, Lesson 8-6

4 Assess

- ___ Higher-Level Thinking, *TWE*, p. 360
- ___ Enrichment, *CRM*, p. 464
- ___ *AnswerKey Maker CD-ROM*
- ___ Assessment, Quiz, *CRM*, p. 480
- ___ msmath2.net/self_check_quiz/leap21

___ *Closing the Gap for Absent Students*, pp. 44–45

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Problem-Solving Strategy (p. 361)



8-6b

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Day 9 of 11
Block 90-minute periods	Day 5 of 6

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

Objective

___ Use a spreadsheet to calculate simple interest.

Getting Started

Materials/Resources Needed _____

Teach

Assignment Guide, p. 361, SE	
All	1–6
Alternate Assignment _____	

Assess

Review and Testing (pp. 362–367)



8

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Standard 45–50-minute periods	Days 10 & 11 of 11
Block 90-minute periods	Day 6 of 6

Assess

- ___ Vocabulary and Concept Check, *SE*, p. 362
- ___ Portfolio Suggestion, *TWE*, p. 365
- ___ Vocabulary Test/Review, *CRM*, p. 478
- ___ Lesson-by-Lesson Review, *SE*, pp. 362–364
- ___ Practice Test, *SE*, p. 365
- ___ *Teaching Mathematics with Foldables™*, pp. 42, 43
- ___ Chapter 8 Tests, *CRM*, pp. 465–476
- ___ Extended Response Assessment, *CRM*, p. 477
- ___ Standardized Test Practice, *SE*, pp. 366–367
- ___ Standardized Test Practice, *CRM*, pp. 483–484
- ___ Cumulative Review, *CRM*, p. 482
- ___ *Vocabulary PuzzleMaker CD-ROM*
- ___ msmath2.net/vocabulary_review
- ___ msmath2.net/chapter_test/leap21
- ___ msmath2.net/standardized_test/leap21
- ___ *Real Life Video and MindJogger Videoquizzes DVD*
- ___ *LEAP 21 Intervention Transparencies, Grade 7*
- ___ *Mastering the LEAP 21: Diagnose, Prescribe, and Practice Workbook, Grade 7*

Other Assessment Materials

- *ExamView Pro™ CD-ROM*
- *Mastering the LEAP 21 and GEE 21 CD-ROM*

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