

Spreadsheet Investigation (p. 368)



A Preview of Lesson 7-1

7

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

NCTM Standards
1, 2, 6, 9, 10

Recommended Pacing	
Regular Average	Day 1 of 11
Regular Advanced	Day 1 of 11
Block Average	Day 1 of 6
Block Advanced	Day 1 of 6

Objectives

___ Use a spreadsheet to investigate when two quantities will be equal.

___ State/local objectives: _____

Getting Started

Materials/Resources Needed _____

Teach

Assignment Guide, p. 368, SE	
All	1-5
Alternate Assignment _____	

Assess

Lesson Planning Guide (pp. 369–374)



7-1

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

NCTM Standards
2, 6, 8, 9, 10

Recommended Pacing	
Regular Average	Days 1 & 2 of 11
Regular Advanced	Days 1 & 2 of 11
Block Average	Days 1 & 2 of 6
Block Advanced	Days 1 & 2 of 6

Louisiana Grade-Level Expectations, Grade 9: 16, 23
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Objectives

- ___ Determine whether a system of linear equations has 0, 1, or infinitely many solutions.
- ___ Solve systems of equations by graphing.
- ___ State/local objectives: _____

1 Focus

Materials/Resources Needed _____

- ___ Building on Prior Knowledge, *TWE*, p. 370
- ___ 5-Minute Check Transparencies, Lesson 7-1
- ___ Mathematical Background, *TWE*, p. 366C
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *StudentWorks CD-ROM, Louisiana Edition*

2 Teach

- ___ In-Class Examples, *TWE*, pp. 370–371
- ___ *Teaching Algebra with Manipulatives*, p. 124
- ___ *Interactive Chalkboard CD-ROM, Lesson 7-1*
- ___ algebra1.com/extra_examples/gee21
- ___ *Guide to Daily Intervention*, pp. 20–21
- ___ Daily Intervention, *TWE*, p. 372
- ___ Study Guide and Intervention, *CRM*, pp. 403–404
- ___ Reading to Learn Mathematics, *CRM*, p. 407
- ___ *Noteables™: Interactive Study Notebook with Foldables™, Louisiana Edition*

3 Practice/Apply

- ___ Skills Practice, *CRM*, p. 405
- ___ Practice, *CRM*, p. 406
- ___ Extra Practice, *SE*, p. 835
- ___ Differentiated Instruction, *TWE*, p. 370
- ___ *School-to-Career Masters*, p. 13
- ___ *Parent and Student Study Guide Workbook*, p. 53
- ___ *Real-World Application Transparencies and Masters*
- ___ *Answer Key Transparencies, Lesson 7-1*
- ___ *WebQuest and Projects Resources*, p. 45
- ___ algebra1.com/webquest

Assignment Guide, pp. 372–374, SE

	Objective 1	Objective 2	Other
Basic	15–21 odd	23–41 odd, 42–47	55–68
Average	15–21 odd	23–41 odd, 42–47	55–68
Advanced	16–22 even	24–40 even, 48–54	56–64 (optional: 65–68)

Alternate Assignment _____

4 Assess

- ___ Open-Ended Assessment, *TWE*, p. 374
- ___ Enrichment, *CRM*, p. 408
- ___ algebra1.com/self_check_quiz/gee21
- ___ Countdown to GEE 21, *TWE*, p. LA29

___ *Closing the Gap for Absent Students*, pp. 14–15

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

Graphing Calculator Investigation (p. 375)



A Follow-Up of Lesson 7-1

7

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

NCTM Standards
2, 6

Recommended Pacing	
Regular Average	Day 2 of 11
Regular Advanced	Day 2 of 11
Block Average	Day 2 of 6
Block Advanced	Day 2 of 6

Objectives

____ Use a graphing calculator to solve a system of equations.

____ State/local objectives: _____

Louisiana Grade-Level Expectations, Grade 9: 16

Getting Started

Materials/Resources Needed _____

Teach

____ algebra1.com/other_calculator_keystrokes

Assignment Guide, p. 375, SE	
All	1-10
Alternate Assignment	_____

Assess

Lesson Planning Guide (pp. 376–381)



7-2

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

NCTM Standards
2, 6, 8, 9, 10

Recommended Pacing	
Regular Average	Days 3 & 4 of 11
Regular Advanced	Days 3 & 4 of 11
Block Average	Days 2 & 3 of 6
Block Advanced	Days 2 & 3 of 6

Louisiana Grade-Level Expectations, Grade 9: 16

Objectives

- ___ Solve systems of equations by using substitution.
- ___ Solve real-world problems involving systems of equations.
- ___ State/local objectives: _____

1 Focus

Materials/Resources Needed _____

- ___ 5-Minute Check Transparencies, Lesson 7-2
- ___ Mathematical Background, *TWE*, p. 366C
- ___ Prerequisite Skills Workbook, pp. 27–28
- ___ TeacherWorks CD-ROM, Louisiana Edition
- ___ StudentWorks CD-ROM, Louisiana Edition

2 Teach

- ___ In-Class Examples, *TWE*, pp. 377–378
- ___ Teaching Algebra with Manipulatives, p. 125
- ___ Interactive Chalkboard CD-ROM, Lesson 7-2
- ___ algebra1.com/extra_examples/gee21
- ___ Guide to Daily Intervention, pp. 20–21
- ___ Study Guide and Intervention, *CRM*, pp. 409–410
- ___ Reading to Learn Mathematics, *CRM*, p. 413
- ___ Noteables™: Interactive Study Notebook with Foldables™, Louisiana Edition

3 Practice/Apply

- ___ Skills Practice, *CRM*, p. 411
- ___ Practice, *CRM*, p. 412
- ___ Extra Practice, *SE*, p. 835
- ___ Differentiated Instruction, *TWE*, p. 378
- ___ Science and Mathematics Lab Manual, pp. 65–68
- ___ Parent and Student Study Guide Workbook, p. 54
- ___ Answer Key Transparencies, Lesson 7-2
- ___ AlgePASS CD-ROM, Lesson 16

Assignment Guide, pp. 379–381, SE

	Objective 1	Objective 2	Other
Basic	11–27 odd	29–35 odd	34, 39–53
Average	11–27 odd	29–35 odd	34, 37, 39–53
Advanced	12–28 even	30, 32, 36	37–49 (optional: 50–53)
All	Practice Quiz 1 (1–5)		

Alternate Assignment _____

4 Assess

- ___ Practice Quiz 1, *SE*, p. 381
- ___ Open-Ended Assessment, *TWE*, p. 381
- ___ Enrichment, *CRM*, p. 414
- ___ Assessment, Quiz, *CRM*, p. 447
- ___ algebra1.com/self_check_quiz/gee21
- ___ Countdown to GEE 21, *TWE*, p. LA29

___ Closing the Gap for Absent Students, pp. 14–15

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Lesson Planning Guide (pp. 382–386)



7-3

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

NCTM Standards
2, 6, 8, 9, 10

Recommended Pacing	
Regular Average	Days 5 & 6 of 11
Regular Advanced	Days 5 & 6 of 11
Block Average	Days 3 & 4 of 6
Block Advanced	Days 3 & 4 of 6

Louisiana Grade-Level Expectations, Grade 9: 16

Objectives

- ___ Solve systems of equations by using elimination with addition.
- ___ Solve systems of equations by using elimination with subtraction.
- ___ State/local objectives: _____

1 Focus

Materials/Resources Needed _____

- ___ Building on Prior Knowledge, *TWE*, p. 383
- ___ *5-Minute Check Transparencies*, Lesson 7-3
- ___ Mathematical Background, *TWE*, p. 366D
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *StudentWorks CD-ROM, Louisiana Edition*

2 Teach

- ___ In-Class Examples, *TWE*, pp. 383–384
- ___ *Teaching Algebra with Manipulatives*, p. 126
- ___ *Interactive Chalkboard CD-ROM*, Lesson 7-3
- ___ algebra1.com/extra_examples/gee21
- ___ *Guide to Daily Intervention*, pp. 20–21
- ___ Daily Intervention, *TWE*, p. 384
- ___ Study Guide and Intervention, *CRM*, pp. 415–416
- ___ Reading to Learn Mathematics, *CRM*, p. 419
- ___ *Noteables™: Interactive Study Notebook with Foldables™, Louisiana Edition*

3 Practice/Apply

- ___ Skills Practice, *CRM*, p. 417
- ___ Practice, *CRM*, p. 418
- ___ Extra Practice, *SE*, p. 836
- ___ Differentiated Instruction, *TWE*, p. 383
- ___ *Graphing Calculator and Spreadsheet Masters*, p. 36
- ___ *Parent and Student Study Guide Workbook*, p. 55
- ___ *Answer Key Transparencies*, Lesson 7-3

Assignment Guide, pp. 384–386, SE

	Objective 1	Objective 2	Other
Basic	13, 15, 21, 31	17, 19, 23, 25, 29, 33, 35	40–54
Average	13, 15, 21, 31	17, 19, 23–29, 33, 35	40–54
Advanced	12, 14, 20, 22, 26–36 even	16, 18, 24	37–50 (optional: 51–54)

Alternate Assignment _____

4 Assess

- ___ Open-Ended Assessment, *TWE*, p. 386
- ___ Enrichment, *CRM*, p. 420
- ___ Assessment, Mid-Chapter Test, *CRM*, p. 449
- ___ Assessment, Quiz, *CRM*, p. 447
- ___ algebra1.com/self_check_quiz/gee21
- ___ Countdown to GEE 21, *TWE*, p. LA29

___ *Closing the Gap for Absent Students*, pp. 14–15

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Lesson Planning Guide (pp. 387–393)



7-4

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

NCTM Standards
2, 6, 8, 9, 10

Recommended Pacing	
Regular Average	Days 7 & 8 of 11
Regular Advanced	Days 7 & 8 of 11
Block Average	Days 4 & 5 of 6
Block Advanced	Days 4 & 5 of 6

Louisiana Grade-Level Expectations, Grade 9: 16

Objectives

- ___ Solve systems of equations by using elimination with multiplication.
- ___ Determine the best method for solving systems of equations.
- ___ State/local objectives: _____

1 Focus

Materials/Resources Needed _____

- ___ 5-Minute Check Transparencies, Lesson 7-4
- ___ Mathematical Background, *TWE*, p. 366D
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *StudentWorks CD-ROM, Louisiana Edition*

2 Teach

- ___ In-Class Examples, *TWE*, pp. 388–390
- ___ *Interactive Chalkboard CD-ROM, Lesson 7-4*
- ___ algebra1.com/extra_examples/gee21
- ___ algebra1.com/data_update
- ___ *Guide to Daily Intervention*, pp. 20–21
- ___ Study Guide and Intervention, *CRM*, pp. 421–422
- ___ Reading to Learn Mathematics, *CRM*, p. 425
- ___ Reading Mathematics, *SE*, p. 393
- ___ *Noteables™: Interactive Study Notebook with Foldables™, Louisiana Edition*

3 Practice/Apply

- ___ Skills Practice, *CRM*, p. 423
- ___ Practice, *CRM*, p. 424
- ___ Extra Practice, *SE*, p. 836
- ___ Differentiated Instruction, *TWE*, p. 389
- ___ *School-to-Career Masters*, p. 14
- ___ *Parent and Student Study Guide Workbook*, p. 56
- ___ *Answer Key Transparencies, Lesson 7-4*

Assignment Guide, pp. 390–392, *SE*

	Objective 1	Objective 2	Other
Basic	13–25 odd	27–39 odd	40, 44–57
Average	13–25 odd	27–43 odd	40, 44–57
Advanced	14–26 even	28–42 even	43–53 (optional: 54–57)
All	Practice Quiz 2 (1–5)		
Reading Mathematics	1–5		
Alternate Assignment _____			

4 Assess

- ___ Practice Quiz 2, *SE*, p. 392
- ___ Open-Ended Assessment, *TWE*, p. 392
- ___ Enrichment, *CRM*, p. 426
- ___ Assessment, Quiz, *CRM*, p. 448
- ___ algebra1.com/self_check_quiz/gee21
- ___ Countdown to GEE 21, *TWE*, p. LA30

___ *Closing the Gap for Absent Students*, pp. 14–15

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Lesson Planning Guide (pp. 394–398)



7-5

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

NCTM Standards
2, 6, 8, 9, 10

Recommended Pacing	
Regular Average	Day 9 of 11
Regular Advanced	Day 9 of 11
Block Average	Day 5 of 6
Block Advanced	Day 5 of 6

Louisiana Grade-Level Expectations, Grade 9: 14, 23
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Objectives

- ___ Solve systems of inequalities by graphing.
- ___ Solve real-world problems involving systems of inequalities.
- ___ State/local objectives: _____

1 Focus

Materials/Resources Needed _____

- ___ Building on Prior Knowledge, *TWE*, p. 394
- ___ 5-Minute Check Transparencies, Lesson 7-5
- ___ Mathematical Background, *TWE*, p. 366D
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *StudentWorks CD-ROM, Louisiana Edition*

2 Teach

- ___ In-Class Examples, *TWE*, pp. 395–396
- ___ *Teaching Algebra with Manipulatives*, pp. 127–128
- ___ *Interactive Chalkboard CD-ROM*, Lesson 7-5
- ___ algebra1.com/extra_examples/gee21
- ___ algebra1.com/careers
- ___ *Guide to Daily Intervention*, pp. 20–21
- ___ Daily Intervention, *TWE*, p. 396
- ___ Study Guide and Intervention, *CRM*, pp. 427–428
- ___ Reading to Learn Mathematics, *CRM*, p. 431
- ___ *Multimedia Applications CD-ROM*
- ___ *Noteables™: Interactive Study Notebook with Foldables™, Louisiana Edition*

3 Practice/Apply

- ___ Skills Practice, *CRM*, p. 429
- ___ Practice, *CRM*, p. 430
- ___ Extra Practice, *SE*, p. 836
- ___ Differentiated Instruction, *TWE*, p. 396
- ___ *Graphing Calculator and Spreadsheet Masters*, pp. 35, 36
- ___ *Parent and Student Study Guide Workbook*, p. 57
- ___ *Answer Key Transparencies*, Lesson 7-5
- ___ *AlgePASS CD-ROM*, Lesson 17
- ___ algebra1.com/webquest

Assignment Guide, pp. 396–398, SE

	Objective 1	Objective 2	Other
Basic	13–23 odd	29–31, 35	32, 39–49
Average	13–27 odd	29–31, 35	32, 39–49 (optional: 36–38)
Advanced	12–28 even	33–35	32, 36–49
Alternate Assignment _____			

4 Assess

- ___ Open-Ended Assessment, *TWE*, p. 398
- ___ Enrichment, *CRM*, p. 432
- ___ Assessment, Quiz, *CRM*, p. 448
- ___ algebra1.com/self_check_quiz/gee21
- ___ Countdown to GEE 21, *TWE*, p. LA30

___ *Closing the Gap for Absent Students*, pp. 14–15

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Review and Testing (pp. 399–405)



7

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Regular Average	Days 10 & 11 of 11
Regular Advanced	Days 10 & 11 of 11
Block Average	Day 6 of 6
Block Advanced	Day 6 of 6

Assess

- ___ *Parent and Student Study Guide Workbook*, p. 58
- ___ Vocabulary and Concept Check, *SE*, p. 399
- ___ Vocabulary Test, *CRM*, p. 446
- ___ Lesson-by-Lesson Review, *SE*, pp. 399–402
- ___ Practice Test, *SE*, p. 403
- ___ Chapter 7 Tests, *CRM*, pp. 433–444
- ___ Open-Ended Assessment, *CRM*, p. 445
- ___ Standardized Test Practice, *SE*, pp. 404–405
- ___ Standardized Test Practice, *CRM*, pp. 451–452
- ___ Cumulative Review, *CRM*, p. 450
- ___ *Vocabulary PuzzleMaker CD-ROM*
- ___ algebra1.com/vocabulary_review
- ___ algebra1.com/chapter_test/gee21
- ___ algebra1.com/standardized_test/gee21
- ___ *MindJogger Videoquizzes VHS*
- ___ Unit 2 Test, *CRM*, pp. 453–454

Other Assessment Materials

- *ExamView® Pro CD-ROM*
- *Mastering the GEE 21: Diagnose, Prescribe, and Practice Workbook for Grade 9*
- *Preparing for LEAP 21 and GEE 21 CD-ROM*
- *GEE 21 Intervention Transparencies for Grade 9*