

Lesson Planning Guide (pp. 708–714)



13-1

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

NCTM Standards
1, 5, 6, 8, 9

Recommended Pacing	
Regular Average	Optional
Regular Advanced	Days 1 & 2 of 13
Block Average	Optional
Block Advanced	Days 1 & 2 of 7

Objectives

- ___ Identify various sampling techniques.
- ___ Recognize a biased sample.
- ___ State/local objectives: _____

1 Focus

Materials/Resources Needed _____

- ___ *5-Minute Check Transparencies*, Lesson 13-1
- ___ *Mathematical Background*, *TWE*, p. 706C
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *StudentWorks CD-ROM, Louisiana Edition*

2 Teach

- ___ In-Class Examples, *TWE*, pp. 709–710
- ___ *Interactive Chalkboard CD-ROM*, Lesson 13-1
- ___ algebra1.com/extra_examples/gee21
- ___ *Guide to Daily Intervention*, pp. 32–33
- ___ *Study Guide and Intervention, CRM*, pp. 781–782
- ___ *Reading to Learn Mathematics, CRM*, p. 785
- ___ *Reading Mathematics, SE*, p. 714
- ___ *Noteables™: Interactive Study Notebook with Foldables™, Louisiana Edition*

3 Practice/Apply

- ___ *Skills Practice, CRM*, p. 783
- ___ *Practice, CRM*, p. 784
- ___ *Extra Practice, SE*, p. 849
- ___ *Differentiated Instruction, TWE*, p. 710
- ___ *Parent and Student Study Guide Workbook*, p. 101
- ___ *Answer Key Transparencies*, Lesson 13-1

Assignment Guide, pp. 711–713, SE

	Objective 1	Objective 2	Other
Basic	9–21 odd, 29–51	9–21 odd, 29–51	
Average	9–21 odd, 22, 23, 29–51	9–21 odd, 22, 23, 29–51	
Advanced	8–20 even, 22–45 (optional: 46–51)	8–20 even, 22–45 (optional: 46–51)	
Reading Mathematics	1–3		
Alternate Assignment _____			

4 Assess

- ___ Open-Ended Assessment, *TWE*, p. 713
- ___ algebra1.com/self_check_quiz/gee21
- ___ *Enrichment, CRM*, p. 786

___ *Closing the Gap for Absent Students*, pp. 26–27

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

Lesson Planning Guide (pp. 715–721)



13-2

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

NCTM Standards
1, 5, 6, 8, 9, 10

Recommended Pacing	
Regular Average	Optional
Regular Advanced	Days 3 & 4 of 13
Block Average	Optional
Block Advanced	Days 2 & 3 of 7

Objectives

- ___ Organize data in matrices.
- ___ Solve problems by adding or subtracting matrices or by multiplying by a scalar.
- ___ State/local objectives: _____

1 Focus

- Materials/Resources Needed _____
- ___ Building on Prior Knowledge, *TWE*, p. 715
 - ___ 5-Minute Check Transparencies, Lesson 13-2
 - ___ Mathematical Background, *TWE*, p. 706C
 - ___ *TeacherWorks CD-ROM, Louisiana Edition*
 - ___ *StudentWorks CD-ROM, Louisiana Edition*

2 Teach

- ___ In-Class Examples, *TWE*, pp. 716–717
- ___ *Interactive Chalkboard CD-ROM, Lesson 13-2*
- ___ algebra1.com/extra_examples/gee21
- ___ *Guide to Daily Intervention*, pp. 32–33
- ___ Daily Intervention, *TWE*, p. 717
- ___ Study Guide and Intervention, *CRM*, pp. 787–788
- ___ Reading to Learn Mathematics, *CRM*, p. 791
- ___ *Noteables™: Interactive Study Notebook with Foldables™, Louisiana Edition*

3 Practice/Apply

- ___ Skills Practice, *CRM*, p. 789
- ___ Practice, *CRM*, p. 790
- ___ Extra Practice, *SE*, p. 849
- ___ Differentiated Instruction, *TWE*, p. 720
- ___ *Graphing Calculator and Spreadsheet Masters*, p. 47
- ___ *Parent and Student Study Guide Workbook*, p. 102
- ___ *Answer Key Transparencies*, Lesson 13–2

Assignment Guide, pp. 718–721, SE

	Objective 1	Objective 2	Other
Basic	17–23 odd, 39	27–33 odd, 40, 41	49–52, 58–70
Average	17–25 odd, 39, 42	27–37 odd, 40, 41, 43, 48	49–52, 58–70 (optional: 53–57)
Advanced	18–26 even, 42, 45, 46	28–38 even, 43, 44, 47, 48	49–68 (optional: 69, 70)
All	Practice Quiz 1 (1–5)		
Alternate Assignment _____			

4 Assess

- ___ Practice Quiz 1, *SE*, p. 721
- ___ Open-Ended Assessment, *TWE*, p. 721
- ___ Enrichment, *CRM*, p. 792
- ___ Assessment, Quiz, *CRM*, p. 825
- ___ algebra1.com/self_check_quiz/gee21

___ *Closing the Gap for Absent Students*, pp. 26–27

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Lesson Planning Guide (pp. 722–728)



13-3

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

NCTM Standards
1, 5, 6, 8, 9, 10

Recommended Pacing	
Regular Average	Optional
Regular Advanced	Day 5 of 13
Block Average	Optional
Block Advanced	Day 3 of 7

Objectives

- ___ Interpret data displayed in histograms.
- ___ Display data in histograms.
- ___ State/local objectives: _____

**Louisiana Grade-Level
Expectations, Grade 9: 28**

1 Focus

Materials/Resources Needed _____

- ___ *5-Minute Check Transparencies*, Lesson 13-3
- ___ Mathematical Background, *TWE*, p. 706D
- ___ *Prerequisite Skills Workbook*, pp. 97–98
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *StudentWorks CD-ROM, Louisiana Edition*

2 Teach

- ___ In-Class Examples, *TWE*, pp. 723–724
- ___ *Teaching Algebra with Manipulatives*, pp. 200–202
- ___ *Interactive Chalkboard CD-ROM*, Lesson 13-3
- ___ algebra1.com/extra_examples/gee21
- ___ algebra1.com/data_update
- ___ *Guide to Daily Intervention*, pp. 32–33
- ___ Daily Intervention, *TWE*, p. 725
- ___ Study Guide and Intervention, *CRM*, pp. 793–794
- ___ Reading to Learn Mathematics, *CRM*, p. 797
- ___ *Noteables™: Interactive Study Notebook with Foldables™, Louisiana Edition*

3 Practice/Apply

- ___ Skills Practice, *CRM*, p. 795
- ___ Practice, *CRM*, p. 796
- ___ Extra Practice, *SE*, p. 850
- ___ Differentiated Instruction, *TWE*, p. 724
- ___ *School-to-Career Masters*, p. 25
- ___ *Graphing Calculator and Spreadsheet Masters*, p. 48
- ___ *Parent and Student Study Guide Workbook*, p. 103
- ___ *Answer Key Transparencies*, Lesson 13-3

Assignment Guide, pp. 725–728, SE

	Objective 1	Objective 2	Other
Basic	11	15–17, 22	23–25, 30–43
Average	11, 13	15, 17, 21	22–25, 30–43 (optional: 26–29)
Advanced	10, 12	14, 18–22 even	19, 21, 23–39 (optional: 40–43)
Alternate Assignment _____			

4 Assess

- ___ Open-Ended Assessment, *TWE*, p. 728
- ___ Enrichment, *CRM*, p. 798
- ___ Assessment, Mid-Chapter Test, *CRM*, p. 827
- ___ Assessment, Quiz, *CRM*, p. 825
- ___ algebra1.com/self_check_quiz/gee21

___ *Closing the Gap for Absent Students*, pp. 26–27

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Graphing Calculator Investigation (pp. 729-730)



A Follow-Up of Lesson 13-3

13

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

NCTM Standards
5, 6, 8, 9

Recommended Pacing	
Regular Average	Optional
Regular Advanced	Day 6 of 13
Block Average	Optional
Block Advanced	Day 4 of 7

Objectives

- ___ Use a graphing calculator to find an appropriate regression equation.
- ___ State/local objectives: _____

Louisiana Grade-Level Expectations, Grade 9: 28

Getting Started

Materials/Resources Needed _____

Teach

___ algebra1.com/other_calculator_keystrokes

Assignment Guide, p. 730, SE	
All	1-9
Alternate Assignment	_____

Assess

Lesson Planning Guide (pp. 731–736)



13-4

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

NCTM Standards
1, 5, 6, 8, 9, 10

Recommended Pacing	
Regular Average	Optional
Regular Advanced	Days 7 & 8 of 13
Block Average	Optional
Block Advanced	Days 4 & 5 of 7

Louisiana Grade-Level Expectations, Grade 9: 28
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Objectives

- ___ Find the range of a set of data.
- ___ Find the quartiles and interquartile range of a set of data.
- ___ State/local objectives: _____

<p>1 Focus</p> <p>Materials/Resources Needed _____</p> <p>___ Building on Prior Knowledge, <i>TWE</i>, p. 732</p> <p>___ <i>5-Minute Check Transparencies</i>, Lesson 13-4</p> <p>___ Mathematical Background, <i>TWE</i>, p. 706D</p> <p>___ <i>Prerequisite Skills Workbook</i>, pp. 1–2, 19–20</p> <p>___ <i>TeacherWorks CD-ROM, Louisiana Edition</i></p> <p>___ <i>StudentWorks CD-ROM, Louisiana Edition</i></p>	<p>2 Teach</p> <p>___ In-Class Examples, <i>TWE</i>, pp. 732–733</p> <p>___ <i>Interactive Chalkboard CD-ROM, Lesson 13-4</i></p> <p>___ algebra1.com/extra_examples/gee21</p> <p>___ <i>Guide to Daily Intervention</i>, pp. 32–33</p> <p>___ Daily Intervention, <i>TWE</i>, pp. 732, 733</p> <p>___ Study Guide and Intervention, <i>CRM</i>, pp. 799–800</p> <p>___ Reading to Learn Mathematics, <i>CRM</i>, p. 803</p> <p>___ <i>Noteables™: Interactive Study Notebook with Foldables™, Louisiana Edition</i></p>																												
<p>3 Practice/Apply</p> <p>___ Skills Practice, <i>CRM</i>, p. 801</p> <p>___ Practice, <i>CRM</i>, p. 802</p> <p>___ Extra Practice, <i>SE</i>, p. 850</p> <p>___ Differentiated Instruction, <i>TWE</i>, p. 733</p> <p>___ <i>Parent and Student Study Guide Workbook</i>, p. 104</p> <p>___ <i>Real-World Application Transparencies and Masters</i></p> <p>___ <i>Answer Key Transparencies</i>, Lesson 13-4</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="4">Assignment Guide, pp. 734–736, <i>SE</i></th> </tr> <tr> <th></th> <th>Objective 1</th> <th>Objective 2</th> <th>Other</th> </tr> <tr> <td>Basic</td> <td>19</td> <td>20–23</td> <td>11–17 odd, 34–47</td> </tr> <tr> <td>Average</td> <td>24</td> <td>25–28</td> <td>11–17 odd, 34–47</td> </tr> <tr> <td>Advanced</td> <td>29</td> <td>30–32</td> <td>12–18 even, 33–44 (optional: 45–47)</td> </tr> <tr> <td>All</td> <td colspan="3">Practice Quiz 2 (1–5)</td> </tr> <tr> <td colspan="4">Alternate Assignment _____</td> </tr> </table>	Assignment Guide, pp. 734–736, <i>SE</i>					Objective 1	Objective 2	Other	Basic	19	20–23	11–17 odd, 34–47	Average	24	25–28	11–17 odd, 34–47	Advanced	29	30–32	12–18 even, 33–44 (optional: 45–47)	All	Practice Quiz 2 (1–5)			Alternate Assignment _____			
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Alternate Assignment _____																													
<p>4 Assess</p> <p>___ Practice Quiz 2, <i>SE</i>, p. 736</p> <p>___ Open-Ended Assessment, <i>TWE</i>, p. 736</p>	<p>___ Enrichment, <i>CRM</i>, p. 804</p> <p>___ algebra1.com/self_check_quiz/gee21</p>																												

___ *Closing the Gap for Absent Students*, pp. 26–27

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Lesson Planning Guide (pp. 737–742)



13-5

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

NCTM Standards
1, 5, 6, 8, 9, 10

Recommended Pacing	
Regular Average	Optional
Regular Advanced	Days 9 & 10 of 13
Block Average	Optional
Block Advanced	Day 5 of 7

Objectives

- ___ Organize and use data in box-and-whisker plots.
- ___ Organize and use data in parallel box-and-whisker plots.
- ___ State/local objectives: _____

Louisiana Grade-Level Expectations, Grade 9: 28

<p>1 Focus Materials/Resources Needed _____</p> <p>___ Building on Prior Knowledge, <i>TWE</i>, p. 737</p> <p>___ 5-Minute Check Transparencies, Lesson 13-5</p> <p>___ Mathematical Background, <i>TWE</i>, p. 706D</p> <p>___ <i>TeacherWorks CD-ROM, Louisiana Edition</i></p> <p>___ <i>StudentWorks CD-ROM, Louisiana Edition</i></p>	<p>2 Teach</p> <p>___ In-Class Examples, <i>TWE</i>, pp. 738–739</p> <p>___ <i>Interactive Chalkboard CD-ROM, Lesson 13-5</i></p> <p>___ algebra1.com/extra_examples/gee21</p> <p>___ <i>Guide to Daily Intervention</i>, pp. 32–33</p> <p>___ Daily Intervention, <i>TWE</i>, p. 738</p> <p>___ Study Guide and Intervention, <i>CRM</i>, pp. 805–806</p> <p>___ Reading to Learn Mathematics, <i>CRM</i>, p. 809</p> <p>___ <i>Noteables™: Interactive Study Notebook with Foldables™, Louisiana Edition</i></p>																								
<p>3 Practice/Apply</p> <p>___ Skills Practice, <i>CRM</i>, p. 807</p> <p>___ Practice, <i>CRM</i>, p. 808</p> <p>___ Extra Practice, <i>SE</i>, p. 850</p> <p>___ Differentiated Instruction, <i>TWE</i>, p. 738</p> <p>___ <i>School-to-Career Masters</i>, p. 26</p> <p>___ <i>Science and Mathematics Lab Manual</i>, pp. 105–110</p> <p>___ <i>Parent and Student Study Guide Workbook</i>, p. 105</p> <p>___ <i>Answer Key Transparencies</i>, Lesson 13-5</p> <p>___ <i>AlgePASS CD-ROM</i>, Lesson 34</p> <p>___ algebra1.com/webquest</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="4">Assignment Guide, pp. 740–742, SE</th> </tr> <tr> <th></th> <th>Objective 1</th> <th>Objective 2</th> <th>Other</th> </tr> <tr> <td>Basic</td> <td>11, 15–19 odd, 28–31, 39</td> <td>21–25 odd</td> <td>40–57</td> </tr> <tr> <td>Average</td> <td>11–19 odd, 30–35, 39</td> <td>21–27 odd</td> <td>40–57</td> </tr> <tr> <td>Advanced</td> <td>10–18 even, 32–39</td> <td>20–26 even</td> <td>40–57</td> </tr> <tr> <td colspan="4">Alternate Assignment _____</td> </tr> </table>	Assignment Guide, pp. 740–742, SE					Objective 1	Objective 2	Other	Basic	11, 15–19 odd, 28–31, 39	21–25 odd	40–57	Average	11–19 odd, 30–35, 39	21–27 odd	40–57	Advanced	10–18 even, 32–39	20–26 even	40–57	Alternate Assignment _____			
Assignment Guide, pp. 740–742, SE																									
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Basic	11, 15–19 odd, 28–31, 39	21–25 odd	40–57																						
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Alternate Assignment _____																									
<p>4 Assess</p> <p>___ Open-Ended Assessment, <i>TWE</i>, p. 742</p> <p>___ Enrichment, <i>CRM</i>, p. 810</p>	<p>___ Assessment, Quiz, <i>CRM</i>, p. 826</p> <p>___ algebra1.com/self_check_quiz/gee21</p>																								

___ *Closing the Gap for Absent Students*, pp. 26–27

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Algebra Activity (pp. 743–744)

A Follow-Up of Lesson 13-5



13

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

NCTM Standards
1, 5, 6, 9, 10

Recommended Pacing	
Regular Average	Optional
Regular Advanced	Day 11 of 13
Block Average	Optional
Block Advanced	Day 6 of 7

Objectives

- ___ Use tables to determine percentiles.
- ___ State/local objectives: _____

Getting Started

Materials/Resources Needed paper, pencil, ruler

Teach

- ___ *Teaching Algebra with Manipulatives*, p. 203
- ___ *Glencoe Mathematics Classroom Manipulative Kit*
- ___ *Teaching Strategy, TWE*, p. 743

Assignment Guide, pp. 743–744, SE	
All	1-10
Alternate Assignment _____	

Assess

- ___ Study Notebook, *TWE*, p. 744

Review and Testing (pp. 745–751)



13

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Regular Average	Optional
Regular Advanced	Days 12 & 13 of 13
Block Average	Optional
Block Advanced	Day 7 of 7

Assess

- ___ *Parent and Student Study Guide Workbook*, p. 106
- ___ Vocabulary and Concept Check, *SE*, p. 745
- ___ Vocabulary Test, *CRM*, p. 824
- ___ Lesson-by-Lesson Review, *SE*, pp. 745–748
- ___ Practice Test, *SE*, p. 749
- ___ Chapter 13 Tests, *CRM*, pp. 811–822
- ___ Open-Ended Assessment, *CRM*, p. 823
- ___ Standardized Test Practice, *SE*, pp. 750–751
- ___ Standardized Test Practice, *CRM*, pp. 829–830
- ___ Cumulative Review, *CRM*, p. 828
- ___ *Vocabulary PuzzleMaker CD-ROM*
- ___ algebra1.com/vocabulary_review
- ___ algebra1.com/chapter_test/gee21
- ___ algebra1.com/standardized_test/gee21
- ___ *MindJogger Videoquizzes VHS*

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*