

2 Statistics: Graphing Data



Chapter Pacing Guide

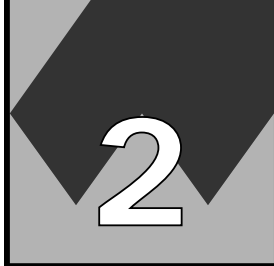
Please note that this pacing guide is based upon completing the entire text in 165 classes, approximately 50 minutes each. More time can be allotted for this chapter if you do not plan to teach the entire text.

<i>Day (Standard)</i>	<i>Day (Honors)</i>	<i>Lesson</i>	<i>Title</i>
1	1	*Chapter Project	Theme: Pets Pets Are (Hu)mans' Best Friends
2	2	2-1	Frequency Tables
3	3	2-2	Scales and Intervals
4	4	2-3	Bar Graphs and Line Graphs
5	5	2-3B	<small>THINKING LAB</small> Problem Solving Use a Graph
6	6	2-4	Reading Circle Graphs
7	7	2-5	Making Predictions
8	8	2-6	Stem-and-Leaf Plots
9 & 10	9 & 10	2-7	Mean, Median, Mode
		*2-7B	<small>HANDS-ON LAB</small> Cooperative Learning Box-and-Whisker Plots
11	11	2-8	Misleading Statistics
12	12	2-9	Integration: Geometry Graphing Ordered Pairs
13	13	Review: Study Guide and Assessment	
14	14	Assessment: Chapter Test	

* *Optional*

Chapter Resources

<p>Meeting Individual Needs <i>Investigations for the Special Education Student</i>, Commercial Success, pp. 3-5 <i>Spanish Study Guide and Assessment</i> <i>Study Guide and Practice Workbook</i></p>	<p>Technology <i>Electronic Teacher's Classroom Resources (ETCR)</i> www.glencoe.com/sec/math/mac/mathnet</p>
<p>Interactive Mathematics: Activities and Investigations Unit 8</p>	<p>Applications <i>Family Letters and Activities</i>, pp. 3-4 <i>Spanish Family Letters and Activities</i>, pp. 3-4</p>



Chapter Project (pp. 44-45)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Make tables and graphs from a survey.
- _____ Compare different survey results.

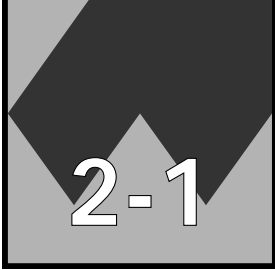
Theme: Pets

- _____ Chapter Project, *SE*, p. 45
- _____ Chapter 2 Notes, *TWE*, p. 44
- _____ Question of the Day, *TWE*, p. 44
- _____ ⇨ *Investigations and Projects Masters*, pp. 21-24

Homework Assignments

- _____ p. 49, Working on the Chapter Project, Exercise 10
- _____ p. 57, Working on the Chapter Project, Exercise 17
- _____ p. 81, Working on the Chapter Project, Exercise 15
- _____ p. 89, Completing the Chapter Project, Alternative Assessment

KEY SE = Student Edition TWE = Teacher's Wraparound Edition ⇨ = Other Program Components



Lesson Planning Guide (pp. 46-49)



Teacher's Name _____ Dates _____
 Grade _____ Class _____ M Tu W Th F

Objectives

_____ Make and interpret frequency tables.

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 46
- _____ ⇨ Transparency 2-1A
- _____ Motivating the Lesson, Problem Solving, *TWE*, p. 46
- _____ Cross-Curriculum Cue, *TWE*, p. 47

The California Mathematics Academic Content Standards	
Grade 5:	MR2.3, MR2.4, MR3.3
Basic Lesson	
Grade 6:	AF1.2, SDP2.3
🔑 Key Lesson	

2 TEACH

- _____ ⇨ Transparency 2-1B
- _____ Using the Mini-Lab, *TWE*, p. 47
- _____ ⇨ *Teacher's Guide, Overhead Manipulative Resources*, Mini-Lab for Lesson 2-1
- _____ Multiple Learning Styles, Auditory/Musical, *TWE*, p. 46
- _____ In-Class Examples, *TWE*, p. 47
- _____ ⇨ *Study Guide Masters*, p. 8
- _____ Reteaching the Lesson, *TWE*, p. 48
- _____ ⇨ *CD-ROM Program*, Resource Lesson 2-1, Interactive Lesson 2-1

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 48

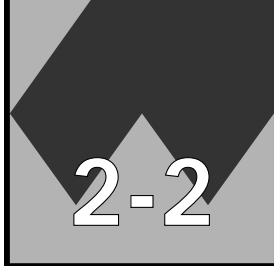
Homework Assignments (pp. 48-49)
_____ Core: 6, 7, 9, 11-14 _____ Enriched: 7-9, 11-14
_____ Optional: 10 (Working on the Chapter Project)
_____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 559
- _____ ⇨ *Practice Masters*, p. 8

4 ASSESS

- _____ Closing Activity, Writing, *TWE*, p. 49
- _____ Extending the Lesson, *TWE*, p. 49
- _____ ⇨ *Enrichment Masters*, p. 8

KEY	SE = Student Edition	TWE = Teacher's Wraparound Edition	⇨ = Other Program Components
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Lesson Planning Guide (pp. 50-53)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Choose appropriate scales and intervals for frequency tables.

The California Mathematics Academic Content Standards

Grade 5: MR2.3, MR2.4
Basic Lesson

Grade 6: SDP2.3, MR1.2
Key Lesson

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 50
- _____ ⇨ Transparency 2-2A
- _____ Motivating the Lesson, Communication, *TWE*, p. 50

2 TEACH

- _____ ⇨ Transparency 2-2B
- _____ Using the Mini-Lab, *TWE*, p. 51
- _____ ⇨ *Teacher's Guide, Overhead Manipulative Resources*, Mini-Lab for Lesson 2-2
- _____ In-Class Examples, *TWE*, p. 51
- _____ ⇨ *Study Guide Masters*, p. 9
- _____ Reteaching the Lesson, *TWE*, p. 52
- _____ Error Analysis, *TWE*, p. 52
- _____ ⇨ *CD-ROM Program*, Resource Lesson 2-2
- _____ ⇨ *Interactive Mathematics Tools Software*

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, pp. 51-52

Homework Assignments (pp. 52-53)

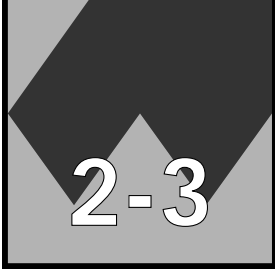
- _____ Core: 8, 10, 11, 13, 14, 16, 17, 19, 20-23
- _____ Enriched: 9, 10, 12, 13, 15, 16, 17-23
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 560
- _____ ⇨ *Practice Masters*, p. 9

4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 53
- _____ Extending the Lesson, *TWE*, p. 53
- _____ ⇨ *Enrichment Masters*, p. 9

KEY SE = Student Edition TWE = Teacher's Wraparound Edition ⇨ = Other Program Components



Lesson Planning Guide (pp. 54-57)



Teacher's Name _____ Dates _____
 Grade _____ Class _____ M Tu W Th F

Objectives

_____ Construct bar graphs and line graphs.

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 54
- _____ ⇨ Transparency 2-3A
- _____ Motivating the Lesson, Communication, *TWE*, p. 54
- _____ Multiple Learning Styles, Visual/Spatial, *TWE*, p. 54

2 TEACH

- _____ ⇨ Transparency 2-3B
- _____ Reading Mathematics, *TWE*, p. 55
- _____ In-Class Examples, *TWE*, p. 55
- _____ ⇨ *Study Guide Masters*, p. 10
- _____ Reteaching the Lesson, *TWE*, p. 56
- _____ ⇨ *CD-ROM Program*, Resource Lesson 2-3, Interactive Lesson 2-3
- _____ ⇨ *Interactive Mathematics Tools Software*

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, pp. 55-56

The California Mathematics Academic Content Standards	
Grade 5:	AF1.1, SDP1.2, SDP1.4, MR2.3, MR2.4
	🔑 Key Lesson
Grade 6:	AF1.3, SDP2.3, MR1.1, MR2.3
	🔑 Key Lesson

Homework Assignments (pp. 56-57)

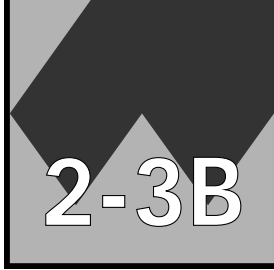
- _____ Core: 7-15 odd, 16, 18-21 _____ Enriched: 8-14 even, 16, 18-21
- _____ Optional: 17 (Working on the Chapter Project)
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 560
- _____ ⇨ *Practice Masters*, p. 10
- _____ ⇨ *Hands-On Lab Masters*, p. 70
- _____ ⇨ *Technology Masters*, Graphing Calculator Activity, p. 4

4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 57
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz A, p. 43
- _____ Extending the Lesson, *TWE*, p. 57
- _____ ⇨ *Enrichment Masters*, p. 10

KEY *SE* = Student Edition *TWE* = Teacher's Wraparound Edition ⇨ = Other Program Components



Lesson Planning Guide (pp. 58-59)



Teacher's Name _____ Dates _____
Grade _____ Class _____ M Tu W Th F

Objectives

_____ Solve problems by using a graph.

1 FOCUS

_____ Getting Started, *TWE*, p. 58

2 TEACH

_____ In-Class Examples, *TWE*, p. 58

_____ Reteaching the Lesson, *TWE*, p. 58

3 PRACTICE/APPLY

_____ Check for Understanding, *TWE*, p. 59

The California Mathematics Academic Content Standards	
Grade 5:	AF1.1, SDP1.2, MR2.3, MR2.4, MR3.2
Basic Lesson	
Grade 6:	AF1.2, SDP2.3, MR2.3, MR3.2
	Key Lesson

Homework Assignments (p. 59)

_____ All: 4-11

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 560

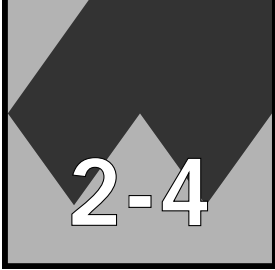
_____ Mixed Problem Solving, *SE*, pp. 593-594

4 ASSESS

_____ Closing Activity, Speaking, *TWE*, p. 59

_____ Extending the Lesson, *TWE*, p. 59

KEY SE = Student Edition TWE = Teacher's Wraparound Edition ⇔ = Other Program Components



Lesson Planning Guide (pp. 60-63)



Teacher's Name _____ Dates _____
 Grade _____ Class _____ M Tu W Th F

Objectives

_____ Interpret circle graphs.

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 60
- _____ ⇨ Transparency 2-4A
- _____ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 60

2 TEACH

- _____ ⇨ Transparency 2-4B
- _____ Using the Mini-Lab, *TWE*, p. 61
- _____ ⇨ *Teacher's Guide, Overhead Manipulative Resources*, Mini-Lab for Lesson 2-4
- _____ Multiple Learning Styles, Intrapersonal, *TWE*, p. 60
- _____ In-Class Examples, *TWE*, p. 61
- _____ ⇨ *Study Guide Masters*, p. 11
- _____ Reteaching the Lesson, *TWE*, p. 62
- _____ ⇨ *CD-ROM Program*, Resource Lesson 2-4

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 62

Homework Assignments (pp. 62-63)

_____ Core: 5-10 _____ Enriched: 5-10
 _____ Alternate Assignment: _____

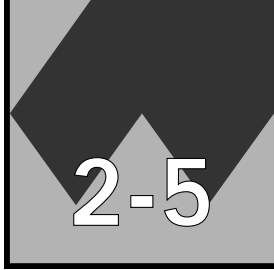
- _____ Extra Practice, *SE*, p. 561
- _____ ⇨ *Practice Masters*, p. 11
- _____ ⇨ *Diversity Masters*, p. 2

4 ASSESS

- _____ Closing Activity, Speaking, *TWE*, p. 63
- _____ Extending the Lesson, *TWE*, p. 63
- _____ ⇨ *Enrichment Masters*, p. 11

The California Mathematics Academic Content Standards	
Grade 5:	AF1.1, SDP1.2, SDP1.3, MR2.3, MR2.4
Basic Lesson	
Grade 6:	SDP2.3, MR2.3
🔑 Key Lesson	

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Lesson Planning Guide (pp. 64-67)



Teacher's Name _____ Dates _____
 Grade _____ Class _____ M Tu W Th F

Objectives

_____ Make predictions from line graphs.

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 64
- _____ ⇨ Transparency 2-5B
- _____ Motivating the Lesson, Communication, *TWE*, p. 64

2 TEACH

- _____ ⇨ Transparency 2-5B
- _____ Thinking Algebraically, *TWE*, p. 65
- _____ In-Class Examples, *TWE*, p. 65
- _____ ⇨ *Study Guide Masters*, p. 12
- _____ Reteaching the Lesson, *TWE*, p. 65
- _____ ⇨ *CD-ROM Program*, Resource Lesson 2-5, Extended Activity 2-5

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 65

The California Mathematics Academic Content Standards	
Grade 5:	AF1.1, SDP1.4, MR2.3, MR2.4
	🔑 Key Lesson
Grade 6:	AF1.3, SDP2.3, MR1.1, MR2.3
	🔑 Key Lesson

Homework Assignments (pp. 65-66)

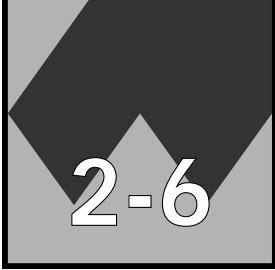
_____ Core: 4-9 _____ Enriched: 4-9
 _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 561
- _____ ⇨ *Practice Masters*, p. 12

4 ASSESS

- _____ Closing Activity, Writing, *TWE*, p. 67
- _____ ⇨ *Assessment and Evaluation Masters*, Mid-Chapter Test, p. 42
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz B, p. 43
- _____ Extending the Lesson, *TWE*, p. 67
- _____ ⇨ *Enrichment Masters*, p. 12
- _____ Mid-Chapter Self Test, *SE*, p. 67

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Lesson Planning Guide (pp. 68-70)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Construct stem-and-leaf plots.

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 68

_____ ⇨ Transparency 2-6A

_____ Motivating the Lesson, Problem Solving, *TWE*, p. 68

2 TEACH

_____ ⇨ Transparency 2-6B

_____ Reading Mathematics, *TWE*, p. 68

_____ In-Class Examples, *TWE*, p. 69

_____ ⇨ *Study Guide Masters*, p. 13

_____ Reteaching the Lesson, *TWE*, p. 69

_____ ⇨ *CD-ROM Program*, Resource Lesson 2-6

3 PRACTICE/APPLY

_____ Check for Understanding, *SE*, p. 69

The California Mathematics Academic Content Standards
Grade 5: MR2.3, MR2.4 Basic Lesson
Grade 6: SDP2.3, MR1.1, MR2.3, MR2.4 Key Lesson

Homework Assignments (p. 70)

_____ Core: 7-15 odd, 16-18

_____ Enriched: 8-12 even, 14-18

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 561

_____ ⇨ *Practice Masters*, p. 13

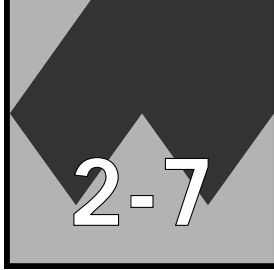
4 ASSESS

_____ Closing Activity, Speaking, *TWE*, p. 70

_____ Extending the Lesson, *TWE*, p. 70

_____ ⇨ *Enrichment Masters*, p. 13

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Lesson Planning Guide (pp. 71-75)



Teacher's Name _____ Dates _____
 Grade _____ Class _____ M Tu W Th F

Objectives

_____ Find the mean, median, mode, and range to describe a set of data.

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 71
- _____ ⇨ Transparency 2-7A
- _____ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 72
- _____ Multiple Learning Styles, Interpersonal, *TWE*, p. 71

2 TEACH

- _____ ⇨ Transparency 2-7B
- _____ Using the Mini-Lab, *TWE*, p. 73
- _____ ⇨ *Teacher's Guide, Overhead Manipulative Resources, Mini-Lab for Lesson 2-7*
- _____ In-Class Examples, *TWE*, p. 72
- _____ ⇨ *Study Guide Masters*, p. 14
- _____ Reteaching the Lesson, *TWE*, p. 73
- _____ Error Analysis, *TWE*, p. 73
- _____ ⇨ *CD-ROM Program, Resource Lesson 2-7*
- _____ ⇨ *Interactive Mathematics Tools Software*

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, pp. 73-74

Homework Assignments (p. 74)

- _____ Core: 7-17 odd, 18-20
- _____ Enriched: 8-14 even, 16-20
- _____ Alternate Assignment: _____

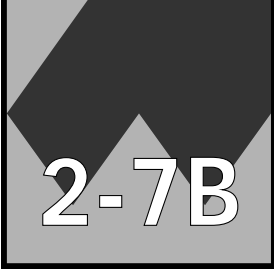
- _____ Extra Practice, *SE*, p. 562
- _____ Family Activity, *SE*, p. 74
- _____ ⇨ *Practice Masters*, p. 14
- _____ ⇨ *School to Career Masters*, p. 2
- _____ ⇨ *Technology Masters, Calculator Activity*, p. 3
- _____ ⇨ *Science and Mathematics Lab Manual*, pp. 5-8

4 ASSESS

- _____ Let the Games Begin, *SE*, p. 75
- _____ Closing Activity, Writing, *TWE*, p. 74
- _____ ⇨ *Assessment and Evaluation Masters, Quiz C*, p. 44
- _____ Extending the Lesson, *TWE*, p. 74
- _____ ⇨ *Enrichment Masters*, p. 14

The California Mathematics Academic Content Standards	
Grade 5:	SDP1.1, MR2.3, MR2.4
Basic Lesson	
Grade 6:	SDP1.1, SDP1.2, SDP1.3, SDP1.4, SDP2.3, MR2.6
Key Lesson	

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Lesson Planning Guide (pp. 76-77)



Teacher's Name _____ Dates _____
Grade _____ Class _____ M Tu W Th F

Objectives

_____ Display and summarize data in a box-and-whisker plot.

MANAGEMENT

_____ Getting Started, *TWE*, p. 76
_____ ⇨ *Hands-On Lab Masters*, p. 16: number lines

ASSESS

_____ *TWE*, p. 77
_____ ⇨ *Hands-On Lab Masters*, p. 40

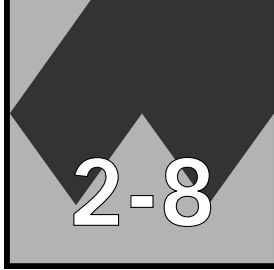
The California Mathematics Academic Content Standards
Grade 5: SDP1.1, MR2.3, MR2.4
Basic Lesson
Grade 6: SDP2.3, MR1.2 🔑 Key Lesson

Class Activity (p. 77)

_____ All: 1-3
_____ Alternate Assignment: _____

_____ Math Journal, *TWE*, p. 77

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Lesson Planning Guide (pp. 78-81)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Recognize when statistics and graphs are misleading.

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 78

_____ ⇨ Transparency 2-8A

_____ Motivating the Lesson, Problem Solving, *TWE*, p. 78

2 TEACH

_____ ⇨ Transparency 2-8B

_____ Using Applications, *TWE*, p. 79

_____ In-Class Examples, *TWE*, p. 79

_____ ⇨ *Study Guide Masters*, p. 15

_____ Reteaching the Lesson, *TWE*, p. 79

_____ ⇨ *CD-ROM Program*, Resource Lesson 2-8

3 PRACTICE/APPLY

_____ Check for Understanding, *SE*, pp. 79-80

The California Mathematics Academic Content Standards

Grade 5: SDP1.1, MR2.3, MR2.4

Basic Lesson

Grade 6: SDP1.1, SDP1.4, SDP2.3, MR1.1

🔑 Key Lesson

Homework Assignments (pp. 80-81)

_____ Core: 8, 9-13 odd, 16-19

_____ Enriched: 8-12 even, 13, 14, 16-19

_____ Optional: 15 (Working on the Chapter Project)

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 562

_____ ⇨ *Practice Masters*, p. 15

_____ ⇨ Classroom Games, pp. 3-4

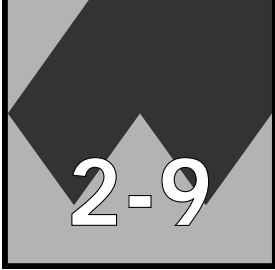
4 ASSESS

_____ Closing Activity, Speaking, *TWE*, p. 81

_____ Extending the Lesson, *TWE*, p. 81

_____ ⇨ *Enrichment Masters*, p. 15

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Lesson Planning Guide (pp. 82-85)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Use ordered pairs to locate points and organize data.

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 82
- _____ ⇨ Transparency 2-9A
- _____ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 82

2 TEACH

- _____ ⇨ Transparency 2-9B
- _____ Reading Mathematics, *TWE*, p. 83
- _____ In-Class Examples, *TWE*, p. 83
- _____ ⇨ *Study Guide Masters*, p. 16
- _____ Reteaching the Lesson, *TWE*, p. 84
- _____ Error Analysis, *TWE*, p. 84
- _____ ⇨ *CD-ROM Program*, Resource Lesson 2-9

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 84

The California Mathematics Academic Content Standards	
Grade 5:	AF1.4, SDP1.4, SDP1.5, MR2.3, MR2.4 Key Lesson
Grade 6:	AF3.2, SDP1.1, SDP2.3, MR1.1 Key Lesson

Homework Assignments (pp. 84-85)

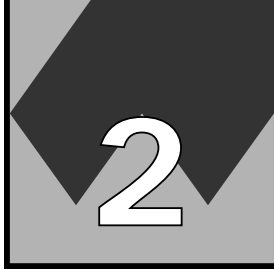
_____ Core: 11-31 odd, 33-37 _____ Enriched: 12-30 even, 31-37
 _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 562
- _____ ⇨ *Practice Masters*, p. 16

4 ASSESS

- _____ Closing Activity, Writing, *TWE*, p. 85
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz D, p. 44
- _____ Extending the Lesson, *TWE*, p. 85
- _____ ⇨ *Enrichment Masters*, p. 16

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Review and Assessment (pp. 86-91)



Teacher's Name _____ Dates _____

Grade _____ Class _____
Review M Tu W Th F
Testing M Tu W Th F

- _____ Study Guide and Assessment, *SE*, pp. 86-89
- _____ Standardized Test Practice, *SE*, pp. 90-91
- _____ Chapter Test, *SE*, p. 596





⇔ **Assessment and Evaluation Masters (pp. 29-47)**

Multiple-Choice Tests

- _____ Form 1A, 1B, or 1C, pp. 29-34
- _____ Standardized Test Practice, pp. 45-46

Free-Response Tests

- _____ 2A, 2B, or 2C, pp. 35-40
- _____ Performance Assessment, p. 41
- _____ Cumulative Review, p. 47

- _____ ⇔ *MindJogger Videoquizzes*, Chapter 2
- _____ ⇔ *Test and Review Software*
- _____ ⇔ *CD-ROM Assessment Game*
- _____ ⇔ *State Test Preparation CD-ROM*
- _____ ⇔  *California Framework Practice and Sample Test Workbook*, Grade 5
- _____ ⇔  *California Framework Practice Transparencies*, Grade 5
- _____ ⇔  *California Framework Practice and Sample Test Workbook*, Grade 6
- _____ ⇔  *California Framework Practice Transparencies*, Grade 6

KEY SE = Student Edition TWE = Teacher's Wraparound Edition ⇔ = Other Program Components