

13 Using Probability



Chapter Pacing Guide

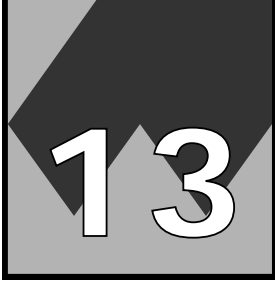
Please note that this pacing guide is based upon completing the entire text in 165 classes, approximately 50 minutes each. More time can be allotted for this chapter if you do not plan to teach the entire text.

<i>Day (Honors)</i>	<i>Lesson</i>	<i>Title</i>
1	*Chapter Project	Theme: Wildlife Animals Here Today, Gone Tomorrow
	*13-1A	<small>HANDS-ON LAB</small> Cooperative Learning Fair and Unfair Games
2	13-1	Theoretical Probability
3	13-2A	<small>THINKING LAB</small> Problem Solving Make a Table
4	13-2	Integration: Statistics Making Predictions Using Samples
5 & 6	13-3	Integration: Geometry Probability and Area
	*13-3B	<small>TECHNOLOGY LAB</small> Graphing Calculators Probability
7 & 8	13-4	Finding Outcomes
	*13-4B	<small>HANDS-ON LAB</small> Cooperative Learning Simulations
9	13-5	Probability of Independent Events
10	Review: Study Guide and Assessment	
11	Assessment: Chapter Test	

* *Optional*

Chapter Resources

<p>Meeting Individual Needs <i>Investigations for the Special Education Student, The Game Show</i>, pp. 45-46 <i>Spanish Study Guide and Assessment 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 10</p>	<p>Applications <i>Family Letters and Activities</i>, pp. 25-26 <i>Spanish Family Letters and Activities</i>, pp. 25-26</p>



Chapter Project (pp. 512-513)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Use probability to explore how camouflage works.
- _____ Research how animals are camouflaged.
- _____ Write a report on how a probability experiment can be used to illustrate camouflage.
- _____ State/local objectives: _____

**South Carolina Math
Curriculum Standards
Grade 6: DAP I.A.1.**

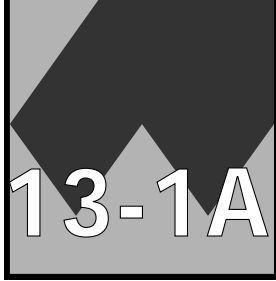
Theme: *Wildlife Animals*

- _____ Chapter Project, *SE*, p. 513
- _____ Chapter 13 Notes, *TWE*, p. 512
- _____ Question of the Day, *TWE*, p. 512
- _____ ⇨ *Investigations and Projects Masters*, pp. 65-68

Homework Assignments

- _____ p. 518, Working on the Chapter Project, Exercise 27
- _____ p. 529, Working on the Chapter Project, Exercise 23
- _____ p. 543, Completing the Chapter Project, Alternative Assessment

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



Lesson Planning Guide (p. 514)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Explore fair and unfair games.
- _____ State/local objectives: _____

NCTM Standards: 1, 2, 5-10
South Carolina Math Curriculum Standards Grade 6: DAP IV.B.1.

MANAGEMENT

- _____ Getting Started, *TWE*, p. 514
- _____ ⇨ *Hands-On Lab Masters*, p. 21: number cube patterns
- _____ ⇨ *Teacher's Guide for Overhead Manipulative Resources*, Lesson 13-1A

ASSESS

- _____ *TWE*, p. 514
- _____ ⇨ *Hands-On Lab Masters*, p. 67

Class Activity (p. 514)

- _____ All: 1-5
- _____ Alternate Assignment: _____

- _____ Math Journal, *TWE*, p. 514

KEY	SE = Student Edition	TWE = Teacher's Wraparound Edition	⇨ = Other Program Components
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13-2A

Lesson Planning Guide (pp. 520-521)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Solve problems by making a table.
- _____ State/local objectives: _____

NCTM Standards:

1, 2, 5-10

1 FOCUS

- _____ Getting Started, *TWE*, p. 520

2 TEACH

- _____ In-Class Examples, *TWE*, p. 520
- _____ Reteaching the Lesson, *TWE*, p. 520

3 PRACTICE/APPLY

- _____ Check for Understanding, *TWE*, p. 521

Homework Assignments (p. 521)

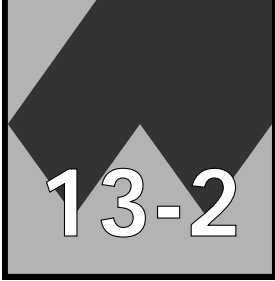
- _____ All: 5-13
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 591
- _____ Mixed Problem Solving, *SE*, pp. 593-594

4 ASSESS

- _____ Closing Activity, Writing, *TWE*, p. 521
- _____ Extending the Lesson, *TWE*, p. 521

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Lesson Planning Guide (pp. 522-525)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Predict the actions of a larger group using a sample.
- _____ State/local objectives: _____

NCTM Standards: 1-9
South Carolina Math Curriculum Standards Grade 6: DAP I.A.1., DAP III.A.1.

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 522
- _____ ⇨ Transparency 13-2A
- _____ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 522
- _____ Multiple Learning Styles, Intrapersonal, *TWE*, p. 522

2 TEACH

- _____ ⇨ Transparency 13-2B
- _____ Using the Mini-Lab, *TWE*, p. 523
- _____ ⇨ *Teacher's Guide for Overhead Manipulative Resources*, Mini-Lab for Lesson 13-2
- _____ In-Class Examples, *TWE*, p. 523
- _____ ⇨ *Study Guide Masters*, p. 91
- _____ Reteaching the Lesson, *TWE*, p. 524
- _____ ⇨ *CD-ROM Program*, Resource Lesson 13-2

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 524

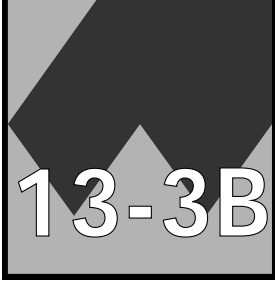
Homework Assignments (pp. 524-525)	
_____ Core: 9-19 odd, 20-23	_____ Enriched: 8-16 even, 18-23
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 591
- _____ ⇨ *Practice Masters*, p. 91
- _____ ⇨ *Technology Masters*, Calculator Activity, p. 25
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 103

4 ASSESS

- _____ Closing Activity, Speaking, *TWE*, p. 525
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz A, p. 351
- _____ Extending the Lesson, *TWE*, p. 525
- _____ ⇨ *Enrichment Masters*, p. 91
- _____ Mid-Chapter Self Test, *SE*, p. 525

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Lesson Planning Guide (p. 530)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Investigate geometric probability by using a graphing calculator.

_____ State/local objectives: _____

NCTM Standards:

1-9

South Carolina Math Curriculum Standards

Grade 6: GEO IV.E.1.,
DAP I.A.1., DAP III.A.1.

MANAGEMENT

_____ Getting Started, *TWE*, p. 530

ASSESS

_____ *TWE*, p. 530

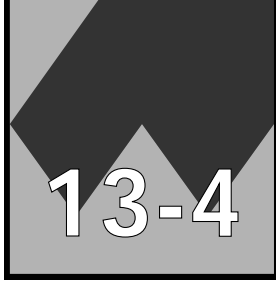
Class Activity (p. 530)

_____ All: 1-5

_____ Alternate Assignment: _____

_____ Math Journal, *TWE*, p. 530

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Lesson Planning Guide (pp. 531-534)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Find outcomes using lists, tree diagrams, and combinations.
- _____ State/local objectives: _____

NCTM Standards: 1-10
South Carolina Math Curriculum Standards
Grade 6: DAP IV.B.1., DAP IV.B.2.

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 531
- _____ ⇨ Transparency 13-4A
- _____ Motivating the Lesson, Problem Solving, *TWE*, p. 532
- _____ Multiple Learning Styles, Verbal/Linguistic, *TWE*, p. 531

2 TEACH

- _____ ⇨ Transparency 13-4B
- _____ Reading Mathematics, *TWE*, p. 532
- _____ In-Class Examples, *TWE*, p. 532
- _____ ⇨ *Study Guide Masters*, p. 93
- _____ Reteaching the Lesson, *TWE*, p. 533
- _____ Error Analysis, *TWE*, p. 533
- _____ ⇨ *CD-ROM Program*, Resource Lesson 13-4

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 533

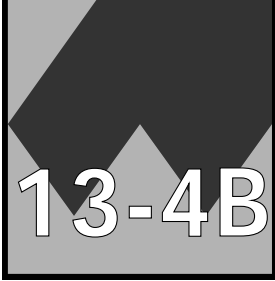
Homework Assignments (pp. 533-534)	
_____ Core: 9-17 odd, 19-22	_____ Enriched: 8-16 even, 17-22
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 592
- _____ ⇨ *Practice Masters*, p. 93
- _____ ⇨ *Technology Masters*, Graphing Calculator Activity, p. 26
- _____ Family Activity, *SE*, p. 533
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 105

4 ASSESS

- _____ Closing Activity, Act It Out, *TWE*, p. 534
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz C, p. 352
- _____ Extending the Lesson, *TWE*, p. 534
- _____ ⇨ *Enrichment Masters*, p. 93

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Lesson Planning Guide (p. 535)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Explore probability by conducting a simulation.
- _____ State/local objectives: _____

NCTM Standards:

5-9

South Carolina Math Curriculum Standards

Grade 6: DAP I.A.1., DAP III.A.1., DAP IV.B.1., DAP IV.B.2., DAP IV.C.1.

MANAGEMENT

- _____ Getting Started, *TWE*, p. 535
- _____ ⇨ *Hands-On Lab Masters*, p. 6: counters, p. 8: pattern for cup
- _____ ⇨ *Teacher's Guide for Overhead Manipulative Resources*, Lesson 13-4B
- _____ ⇨ *Overhead Manipulative Resources*: counters, cups

ASSESS

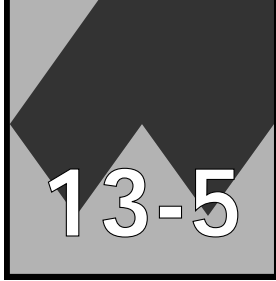
- _____ *TWE*, p. 535
- _____ ⇨ *Hands-On Lab Masters*, p. 68

Class Activity (p. 535)

- _____ All: 1-4
- _____ Alternate Assignment: _____

- _____ Math Journal, *TWE*, p. 535

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Lesson Planning Guide (pp. 536-539)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Find the probability of independent events.
- _____ State/local objectives: _____

NCTM Standards: 1-10
South Carolina Math Curriculum Standards
Grade 6: GEO IV.E.1., MEA I.C.2., MEA II.A.1., DAP IV.B.1., DAP IV.B.2., DAP IV.C.1.

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 536
- _____ ⇨ Transparency 13-5A
- _____ Motivating the Lesson, Communication, *TWE*, p. 536
- _____ Multiple Learning Styles, Logical, *TWE*, p. 536

2 TEACH

- _____ ⇨ Transparency 13-5B
- _____ Thinking Algebraically, *TWE*, p. 537
- _____ In-Class Examples, *TWE*, p. 537
- _____ ⇨ *Study Guide Masters*, p. 94
- _____ Reteaching the Lesson, *TWE*, p. 538
- _____ ⇨ *CD-ROM Program*, Resource Lesson 3-5

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 538

Homework Assignments (pp. 538-539)

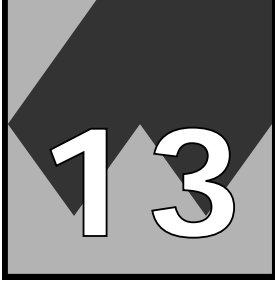
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|-----------------------------------|----------------------------------|
| _____ Core: 9-19 odd, 20-23 | _____ Enriched: 8-16 even, 18-23 |
| _____ Alternate Assignment: _____ | |

- _____ Extra Practice, *SE*, p. 592
- _____ ⇨ *Practice Masters*, p. 94
- _____ ⇨ *Science and Mathematics Lab Manual*, pp. 93-96
- _____ ⇨ *Classroom Games*, pp. 37-40
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 106

4 ASSESS

- _____ Let the Games Begin, *SE*, p. 539
- _____ Closing Activity, Speaking, *TWE*, p. 539
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz D, p. 352
- _____ Extending the Lesson, *TWE*, p. 539
- _____ ⇨ *Enrichment Masters*, p. 94

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Review and Assessment (pp. 540-545)



Teacher's Name _____ Dates _____

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



- _____ Study Guide and Assessment, *SE*, pp. 540-543
- _____ Standardized Test Practice, *SE*, pp. 544-545
- _____ Chapter Test, *SE*, p. 607

⇔ **Assessment and Evaluation Masters (pp. 337-355)**

Multiple-Choice Tests

Free-Response Tests

- | | |
|---|---------------------------------------|
| _____ Form 1A, 1B, or 1C, pp. 337-342 | _____ Form 2A, 2B, or 2C, pp. 343-348 |
| _____ Standardized Test Practice, pp. 353-354 | _____ Performance Assessment, p. 349 |
| | _____ Cumulative Review, p. 355 |

- _____ ⇔ *MindJogger Videoquizzes*, Chapter 13
- _____ ⇔ *Test and Review Software*
- _____ ⇔ *CD-ROM Assessment Game*
- _____ ⇔ *State Test Preparation CD-ROM*
- _____ ⇔  *South Carolina Parent and Student Study Guide Workbook*, p. 107
- _____ ⇔  *South Carolina PACT Workbook and Test Preparation, Grade 6*

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