

# 6 Adding and Subtracting Fractions



## 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: Maps Trail to the Treasure Trove
2	2	6-1	Rounding Fractions and Mixed Numbers
3	3	6-2	Estimating Sums and Differences
4	4	6-2B	<small>THINKING LAB</small> Problem Solving Eliminate Possibilities
5	5	6-3	Adding and Subtracting Fractions with Like Denominators
6 & 7		*6-4A	<small>HANDS-ON LAB</small> Cooperative Learning Renaming Sums
	6	6-4	Adding and Subtracting Fractions with Unlike Denominators
8	7	6-5	Adding and Subtracting Mixed Numbers
9 & 10	8 & 9	6-6	Subtracting Mixed Numbers with Renaming
11	10	6-7	Integration: Measurement Adding and Subtracting Measures of Time
12	11	Review: Study Guide and Assessment	
13	12	Assessment: Chapter Test	

\* *Optional*

## Chapter Resources

<p><b>Meeting Individual Needs</b>  <i>Investigations for the Special Education Student</i>,            Read All About Us, p. 15;            Wall Street Week, pp. 17-18  <i>Spanish Study Guide and Assessment</i>  <i>Study Guide and Practice Workbook</i></p>	<p><b>Technology</b>  <i>Electronic Teacher's Classroom</i>  <i>Resources (ETCR)</i>  <a href="http://www.glencoe.com/sec/math/mac/mathnet">www.glencoe.com/sec/math/mac/mathnet</a></p>
<p><b>Interactive Mathematics: Activities and Investigations</b>            Units 5 and 6</p>	<p><b>Applications</b>  <i>Family Letters and Activities</i>, pp. 11-12  <i>Spanish Family Letters and Activities</i>, pp. 11-12</p>



# Chapter Project (pp. 226-227)



Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

## Objectives

- \_\_\_\_\_ Create and draw a map for locating hidden treasure.
- \_\_\_\_\_ Provide instructions to find the treasure using the map.

## Theme: Maps

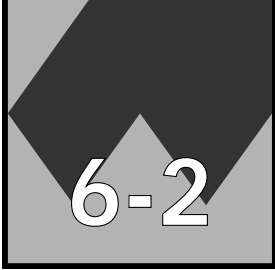
- \_\_\_\_\_ Chapter Project, *SE*, p. 227
- \_\_\_\_\_ Chapter 6 Notes, *TWE*, p. 226
- \_\_\_\_\_ Question of the Day, *TWE*, p. 226
- \_\_\_\_\_ ⇄ *Investigations and Projects Masters*, pp. 37-40

### Homework Assignments

- \_\_\_\_\_ p. 231, Working on the Chapter Project, Exercise 34
- \_\_\_\_\_ p. 252, Working on the Chapter Project, Exercise 37
- \_\_\_\_\_ p. 261, Completing the Chapter Project, Alternative Assessment

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





# Lesson Planning Guide (pp. 232-234)



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

## Objectives

\_\_\_\_\_ Estimate sums and differences of fractions and mixed numbers.

### 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 232
- \_\_\_\_\_ ⇨ Transparency 6-2A
- \_\_\_\_\_ Motivating the Lesson, Problem Solving, *TWE*, p. 232

### 2 TEACH

- \_\_\_\_\_ ⇨ Transparency 6-2B
- \_\_\_\_\_ Using Modeling, p. 232
- \_\_\_\_\_ In-Class Examples, *TWE*, p. 233
- \_\_\_\_\_ ⇨ *Study Guide Masters*, p. 43
- \_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 233
- \_\_\_\_\_ ⇨ *CD-ROM Program*, Resource Lesson 6-2

### 3 PRACTICE/APPLY

- \_\_\_\_\_ Check for Understanding, *SE*, p. 233

The California Mathematics Academic Content Standards	
Grade 5:	MR2.3, MR2.4, MR2.6, MR3.1
<b>Basic Lesson</b>	
Grade 6:	NS1.2, NS1.3, NS2.1, AF2.1, MR2.1, MR2.7, MR3.1
	<b>Key Lesson</b>

#### Homework Assignments (p. 234)

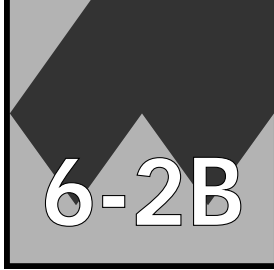
\_\_\_\_\_ Core: 11-29 odd, 31-36      \_\_\_\_\_ Enriched: 12-26 even, 28-36  
 \_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

- \_\_\_\_\_ Extra Practice, *SE*, p. 572
- \_\_\_\_\_ ⇨ *Practice Masters*, p. 43
- \_\_\_\_\_ School to Career Activity, *SE*, p. 235

### 4 ASSESS

- \_\_\_\_\_ Closing Activity, Modeling, *TWE*, p. 234
- \_\_\_\_\_ ⇨ *Assessment and Evaluation Masters*, Quiz A, p. 155
- \_\_\_\_\_ Extending the Lesson, *TWE*, p. 234
- \_\_\_\_\_ ⇨ *Enrichment Masters*, p. 43

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



# Lesson Planning Guide (pp. 236-237)



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

## Objectives

\_\_\_\_\_ Solve problems by eliminating possibilities.

### 1 FOCUS

\_\_\_\_\_ Getting Started, *TWE*, p. 236

### 2 TEACH

\_\_\_\_\_ In-Class Examples, *TWE*, p. 236

\_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 236

### 3 PRACTICE/APPLY

\_\_\_\_\_ Check for Understanding, *TWE*, p. 237

<b>The California Mathematics Academic Content Standards</b>	
<b>Grade 5:</b>	MR2.3, MR2.4, MR3.2
<b>Basic Lesson</b>	
<b>Grade 6:</b>	NS2.1, AF1.2, AF1.3, AF3.1, AF3.2, SDP1.1, SDP2.3, MR1.1
	<b>Key Lesson</b>

### Homework Assignments (p. 237)

\_\_\_\_\_ All: 4-15

\_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

\_\_\_\_\_ Extra Practice, *SE*, p. 573

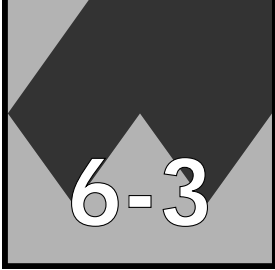
\_\_\_\_\_ Mixed Problem Solving, *SE*, pp. 593-594

### 4 ASSESS

\_\_\_\_\_ Closing Activity, Writing, *TWE*, p. 237

\_\_\_\_\_ Extending the Lesson, *TWE*, p. 237

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# Lesson Planning Guide (pp. 238-241)



Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

## Objectives

\_\_\_\_\_ Add and subtract fractions with like denominators.

### 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 238
- \_\_\_\_\_ ⇨ Transparency 6-3A
- \_\_\_\_\_ Motivating the Lesson, Communication, *TWE*, p. 238

### 2 TEACH

- \_\_\_\_\_ ⇨ Transparency 6-3B
- \_\_\_\_\_ Using the Mini-Lab, *TWE*, p. 239
- \_\_\_\_\_ ⇨ *Teacher's Guide for Overhead Manipulative Resources*, Mini-Lab for Lesson 6-3
- \_\_\_\_\_ In-Class Examples, *TWE*, p. 239
- \_\_\_\_\_ ⇨ *Study Guide Masters*, p. 44
- \_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 240
- \_\_\_\_\_ Error Analysis, *TWE*, p. 240
- \_\_\_\_\_ ⇨ *CD-ROM Program*, Resource Lesson 6-3, Interactive Lesson 6-3
- \_\_\_\_\_ ⇨ *Interactive Mathematics Tools Software*

#### The California Mathematics Academic Content Standards

Grade 5: NS2.3, MR2.1, MR2.3, MR2.4, MR2.6, MR3.1

🔑 Key Lesson

Grade 6: NS1.1, NS2.1, NS2.4, MR1.1, MR2.1

🔑 Key Lesson

### 3 PRACTICE/APPLY

- \_\_\_\_\_ Check for Understanding, *SE*, p. 240

#### Homework Assignments (pp. 240-241)

\_\_\_\_\_ Core: 11-31 odd, 32-36      \_\_\_\_\_ Enriched: 12-28 even, 29-36  
 \_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

- \_\_\_\_\_ Extra Practice, *SE*, p. 573
- \_\_\_\_\_ ⇨ *Practice Masters*, p. 44
- \_\_\_\_\_ ⇨ *Hands-On Lab Masters*, p. 74
- \_\_\_\_\_ ⇨ *Diversity Masters*, p. 6

### 4 ASSESS

- \_\_\_\_\_ Closing Activity, Modeling, *TWE*, p. 241
- \_\_\_\_\_ Extending the Lesson, *TWE*, p. 241
- \_\_\_\_\_ ⇨ *Enrichment Masters*, p. 44

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# Lesson Planning Guide (p. 242)



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

## Objectives

\_\_\_\_\_ Find common unit names for adding different objects.

## MANAGEMENT

\_\_\_\_\_ Getting Started, *TWE*, p. 242

## ASSESS

\_\_\_\_\_ *TWE*, p. 242

\_\_\_\_\_ ⇔ *Hands-On Lab Masters*, p. 50

<b>The California Mathematics Academic Content Standards</b>
Grade 5: MR2.3, MR2.4 <b>Basic Lesson</b>
Grade 6: <b>Optional Lesson</b>

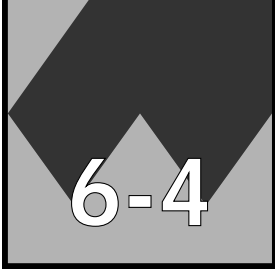
### Class Activity (p. 242)

\_\_\_\_\_ All: 1-5

\_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

\_\_\_\_\_ Math Journal, *TWE*, p. 242

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# Lesson Planning Guide (pp. 243-245)



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

## Objectives

\_\_\_\_\_ Add and subtract fractions with unlike denominators.

### 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 243
- \_\_\_\_\_ ⇨ Transparency 6-4A
- \_\_\_\_\_ Motivating the Lesson, Communication, *TWE*, p. 243
- \_\_\_\_\_ Multiple Learning Styles, Auditory/Musical, *TWE*, p. 243

### 2 TEACH

- \_\_\_\_\_ ⇨ Transparency 6-4B
- \_\_\_\_\_ Using Graphs, *TWE*, p. 243
- \_\_\_\_\_ In-Class Examples, *TWE*, p. 244
- \_\_\_\_\_ ⇨ *Study Guide Masters*, p. 45
- \_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 244
- \_\_\_\_\_ ⇨ *CD-ROM Program*, Resource Lesson 6-4

### 3 PRACTICE/APPLY

- \_\_\_\_\_ Check for Understanding, *SE*, p. 244

The California Mathematics Academic Content Standards	
Grade 5:	NS2.3, MR2.3, MR2.4
	🔑 Key Lesson
Grade 6:	NS2.1, NS2.4, SDP2.3, MR2.2, MR2.3
	🔑 Key Lesson

### Homework Assignments (pp. 244-245)

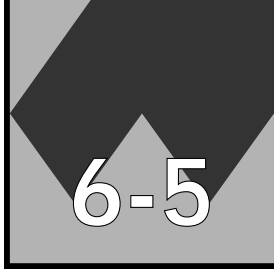
\_\_\_\_\_ Core: 11-33 odd, 35-40                      \_\_\_\_\_ Enriched: 10-30 even, 32-40  
 \_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

- \_\_\_\_\_ Extra Practice, *SE*, p. 573
- \_\_\_\_\_ ⇨ *Practice Masters*, p. 45
- \_\_\_\_\_ ⇨ *Technology Masters*, Graphing Calculator Activity, p. 12
- \_\_\_\_\_ Family Activity, *SE*, p. 245

### 4 ASSESS

- \_\_\_\_\_ Closing Activity, Writing, *TWE*, p. 245
- \_\_\_\_\_ ⇨ *Assessment and Evaluation Masters*, Quiz B, p. 155
- \_\_\_\_\_ ⇨ *Assessment and Evaluation Masters*, Mid-Chapter Test, p. 154
- \_\_\_\_\_ Extending the Lesson, *TWE*, p. 245
- \_\_\_\_\_ ⇨ *Enrichment Masters*, p. 45

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# Lesson Planning Guide (pp. 246-249)



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

## Objectives

\_\_\_\_\_ Add and subtract mixed numbers.

### 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 246
- \_\_\_\_\_ ⇨ Transparency 6-5A
- \_\_\_\_\_ Motivating the Lesson, Problem Solving, *TWE*, p. 246
- \_\_\_\_\_ Multiple Learning Styles, Naturalist, *TWE*, p. 246

### 2 TEACH

- \_\_\_\_\_ ⇨ Transparency 6-5B
- \_\_\_\_\_ Using the Mini-Lab, *TWE*, p. 247
- \_\_\_\_\_ ⇨ *Teacher's Guide for Overhead Manipulative Resources*, Mini-Lab for Lesson 6-5
- \_\_\_\_\_ In-Class Examples, *TWE*, p. 247
- \_\_\_\_\_ ⇨ *Study Guide Masters*, p. 46
- \_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 248
- \_\_\_\_\_ ⇨ *CD-ROM Program*, Resource Lesson 6-5, Interactive Lesson 6-5

### 3 PRACTICE/APPLY

- \_\_\_\_\_ Check for Understanding, *SE*, p. 248

The California Mathematics Academic Content Standards	
Grade 5:	NS2.3, MG1.1, MR2.3, MR2.4
🔑 Key Lesson	
Grade 6:	NS1.1, NS1.3, NS2.1, NS2.4, AF2.1, SDP2.3, MR2.2
🔑 Key Lesson	

### Homework Assignments (pp. 248-249)

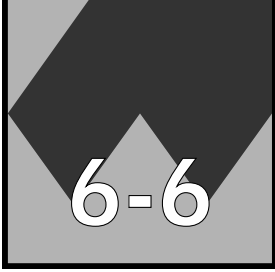
- \_\_\_\_\_ Core: 13-31 odd, 32-36      \_\_\_\_\_ Enriched: 12-28 even, 29-36  
 \_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

- \_\_\_\_\_ Extra Practice, *SE*, p. 574
- \_\_\_\_\_ ⇨ *Practice Masters*, p. 46
- \_\_\_\_\_ ⇨ *Classroom Games*, pp. 15-18

### 4 ASSESS

- \_\_\_\_\_ Closing Activity, Speaking, *TWE*, p. 249
- \_\_\_\_\_ Extending the Lesson, *TWE*, p. 249
- \_\_\_\_\_ ⇨ *Enrichment Masters*, p. 46
- \_\_\_\_\_ Mid-Chapter Self Test, *SE*, p. 249

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# Lesson Planning Guide (pp. 250-253)



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

## Objectives

\_\_\_\_\_ Subtract mixed numbers involving renaming.

### 1 FOCUS

- \_\_\_\_\_ 5-Minute Check, *TWE*, p. 250
- \_\_\_\_\_ ⇨ Transparency 5-6A
- \_\_\_\_\_ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 250
- \_\_\_\_\_ Multiple Learning Styles, Verbal/Linguistic, *TWE*, p. 250

### 2 TEACH

- \_\_\_\_\_ ⇨ Transparency 6-6B
- \_\_\_\_\_ Thinking Algebraically, *TWE*, p. 251
- \_\_\_\_\_ In-Class Examples, *TWE*, p. 251
- \_\_\_\_\_ ⇨ *Study Guide Masters*, p. 47
- \_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 251
- \_\_\_\_\_ ⇨ *CD-ROM Program*, Resource Lesson 6-6, Interactive Lesson 6-6

### 3 PRACTICE/APPLY

- \_\_\_\_\_ Check for Understanding, *SE*, p. 251

The California Mathematics Academic Content Standards	
Grade 5:	NS2.3, MR2.3, MR2.4
	🔑 Key Lesson
Grade 6:	NS2.1, NS2.4, AF1.3, SDP1.1, SDP2.3, MR1.1
	🔑 Key Lesson

### Homework Assignments (pp. 252-253)

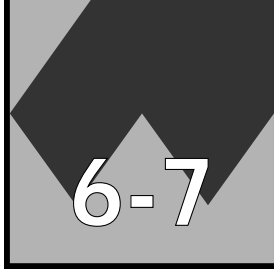
- \_\_\_\_\_ Core: 11-35 odd, 38-43 \_\_\_\_\_ Enriched: 12-34 even, 35, 36, 38-43
- \_\_\_\_\_ Optional: 37 (Working on the Chapter Project)
- \_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

- \_\_\_\_\_ Extra Practice, *SE*, p. 574
- \_\_\_\_\_ ⇨ *Practice Masters*, p. 47

### 4 ASSESS

- \_\_\_\_\_ Let the Games Begin, *SE*, p. 253
- \_\_\_\_\_ Closing Activity, Modeling, *TWE*, p. 253
- \_\_\_\_\_ ⇨ *Assessment and Evaluation Masters*, Quiz C, p. 156
- \_\_\_\_\_ Extending the Lesson, *TWE*, p. 253
- \_\_\_\_\_ ⇨ *Enrichment Masters*, p. 47

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# Lesson Planning Guide (pp. 254-257)



Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

## Objectives

\_\_\_\_\_ Add and subtract measures of time.

### 1 FOCUS

\_\_\_\_\_ 5-Minute Check, *TWE*, p. 254

\_\_\_\_\_ ⇨ Transparency 6-7A

\_\_\_\_\_ Motivating the Lesson, Problem Solving, *TWE*, p. 254

### 2 TEACH

\_\_\_\_\_ ⇨ Transparency 6-7B

\_\_\_\_\_ Reading Mathematics, *TWE*, p. 255

\_\_\_\_\_ In-Class Examples, *TWE*, p. 255

\_\_\_\_\_ ⇨ *Study Guide Masters*, p. 48

\_\_\_\_\_ Reteaching the Lesson, *TWE*, p. 256

\_\_\_\_\_ Error Analysis, *TWE*, p. 256

\_\_\_\_\_ ⇨ *CD-ROM Program*, Resource Lesson 6-7

### 3 PRACTICE/APPLY

\_\_\_\_\_ Check for Understanding, *SE*, pp. 255-256

#### Homework Assignments (pp. 256-257)

\_\_\_\_\_ Core: 15-43 odd, 44-49

\_\_\_\_\_ Enriched: 14-40 even, 41-49

\_\_\_\_\_ Alternate Assignment: \_\_\_\_\_

\_\_\_\_\_ Extra Practice, *SE*, p. 574

\_\_\_\_\_ ⇨ *Practice Masters*, p. 48

\_\_\_\_\_ ⇨ *Technology Masters*, Calculator Activity, p. 11

### 4 ASSESS

\_\_\_\_\_ Closing Activity, Writing, *TWE*, p. 257

\_\_\_\_\_ ⇨ *Assessment and Evaluation Masters*, Quiz D, p. 156

\_\_\_\_\_ Extending the Lesson, *TWE*, p. 257

\_\_\_\_\_ ⇨ *Enrichment Masters*, p. 48

The California Mathematics  
Academic Content Standards

Grade 5: MR2.3, MR2.4

Basic Lesson

Grade 6: NS2.1, NS2.4,  
MR2.5

Key Lesson

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# Review and Assessment (pp. 258-263)



Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ Review M Tu W Th F

Testing M Tu W Th F

\_\_\_\_\_ Study Guide and Assessment, *SE*, pp. 258-261

\_\_\_\_\_ Standardized Test Practice, *SE*, pp. 262-263

\_\_\_\_\_ Chapter Test, *SE*, p. 600

## ⇔ **Assessment and Evaluation Masters (pp. 141-159)**

### *Multiple-Choice Tests*

\_\_\_\_\_ Form 1A, 1B, or 1C, pp. 141-146

\_\_\_\_\_ Standardized Test Practice,  
pp. 157-158

### *Free-Response Tests*

\_\_\_\_\_ Form 2A, 2B, or 2C, pp. 147-152

\_\_\_\_\_ Performance Assessment, p. 153

\_\_\_\_\_ Cumulative Review, p. 159

\_\_\_\_\_ ⇔ *MindJogger Videoquizzes*, Chapter 6

\_\_\_\_\_ ⇔ *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

## **Interdisciplinary Investigation, SE, pp. 264-265**

\_\_\_\_\_ ⇔ *Interdisciplinary Investigation, TWE*, pp. 264-265

\_\_\_\_\_ ⇔ *Investigations and Projects Masters*, pp. 5-8

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