

BIG IDEAS
MATH.
RED

Record and Practice Journal

The *Record and Practice Journal* is a consumable, one-color workbook for the student to record his or her work. It contains:

- Front matter
- Fair Game Review
- Activity pages
- Extra Practice
- Glossary
- Activity cut-outs
- Manipulatives on color card stock



The front matter contains a table of contents with page references.

Contents

Chapter 1	Operations with Integers	1
	Section 1.1	3
	Section 1.2	7
	Section 1.3	11
	Section 1.4	15
	Section 1.5	19
	Section 1.6	23
Chapter 2	Rational Numbers and Equations	27
	Section 2.1	29
	Section 2.2	33
	Section 2.3	37
	Section 2.4	41
	Section 2.5	45
	Section 2.6	49
Chapter 3	Proportions and Variation	53
	Section 3.1	55
	Section 3.2	59
	Section 3.3	63
	Section 3.4	67
	Section 3.5	71
	Section 3.6	75
	Section 3.7	79
	Section 3.8	83
Chapter 4	Percents	87
	Section 4.1	89
	Section 4.2	93
	Section 4.3	97
	Section 4.4	101
Chapter 5	Similarity and Transformations	105
	Section 5.1	107
	Section 5.2	111
	Section 5.3	115
	Section 5.4	119
	Section 5.5	123
	Section 5.6	127
	Section 5.7	131

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Big Ideas Math Red
Record and Practice Journal **iii**

Each chapter starts with a 2 page *Fair Game Review*.

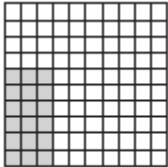
Each section is allocated 4 pages, three for **Activity** pages and one for extra *Practice*.

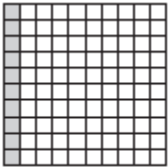
The *Fair Game Review* is correlated to the review topics on the *What You Learned Before* page in the chapter opener of the student textbook.

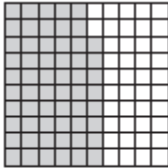
Name _____ Date _____

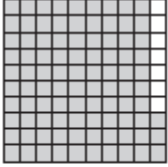
Chapter 4 Fair Game Review

What percent of the model is shaded?

1. 

2. 

3. 

4. 

Write the fraction as a decimal or the decimal as a fraction.

5. $\frac{5}{8}$

6. $\frac{21}{40}$

7. 0.26

8. 0.79

9. In your class, 0.65 of the students are wearing sneakers. What fraction of students are wearing sneakers?

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Big Ideas Math Red
Record and Practice Journal **87**

Extra space is provided for students to work through the problems.

Answers to exercises appear in the Teacher's Edition.

The **Activity** pages of the *Record and Practice Journal* may be used in place of the student textbook.

The **Activity** pages contain the direction lines, figures, and tables needed for the student to complete the solution to the example or to work through the activity.

Extra room on each page is provided for students to write notes and answers.

Answers to exercises appear in the Teacher's Edition.

Name _____ Date _____

4.1 The Percent Equation

For use with Activity 4.1

Essential Question How can you use models to estimate percent questions?

1 ACTIVITY: Estimating a Percent

Work with a partner. Estimate the locations of 50%, 75%, 40%, 6%, and 65% on the model. 50% is done for you.

2 ACTIVITY: Estimating a Part of a Number

The statement "25% of 12 is 3" has three numbers. In real-life problems, any one of these can be unknown.

Which number is missing?	Question	Type of Question
_____	What is 25% of 12?	Find a part of a number.
_____	3 is what percent of 12?	Find a percent.
_____	3 is 25% of what?	Find a percent.

Work with a partner. Estimate the answer to each question using a model.

a. What number is 50% of 30?

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Big Ideas Math Red
Record and Practice Journal **89**

Practice material is written to match the kind of material in the textbook that directly practices skills and problem solving or that directly applies the standards of the lesson.

Extra space is provided for students to work through the problems.

Name _____ Date _____

4.1 Practice
For use after Lesson 4.1

Write and solve an equation to answer the question.

- 40% of 60 is what number?
- 17 is what percent of 50?
- 38% of what number is 57?
- 44% of 25 is what number?
- 52 is what percent of 50?
- 150% of what number is 18?
- You put 60% of your paycheck into your savings account. Your paycheck is \$235. How much money do you put in your savings account?
- You made lemonade and iced tea for a school fair. You made 15 gallons of lemonade and 60% is gone. About 52% of the iced tea is gone. The ratio of gallons of lemonade to gallons of iced tea was 3 : 2.
 - How many gallons of lemonade are left?
 - How many gallons of iced tea did you make?
 - About how many gallons of iced tea are left?

92 Big Ideas Math Red
Record and Practice Journal

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Exercises occur in the same order in which topics are taught in the textbook, beginning with skill and ending with problem solving.

Answers to exercises appear in the Teacher's Edition.



The *Glossary* is designed to be a reference for key vocabulary, properties, and mathematical terms.

Glossary

This student friendly glossary is designed to be a reference for key vocabulary, properties, and mathematical terms. Several of the entries include a short example to aid your understanding of important concepts.

Also available at BigIdeasMath.com:

- multi-language glossary
- vocabulary flash cards

<p>absolute value The distance between a number and 0 on a number line. The absolute value of a number a is written as a.</p> $ -5 = 5$ $ 5 = 5$	<p>acute angle An angle whose measure is less than 90°.</p> 
<p>Addition Property of Equality Adding the same number to each side of an equation produces an equivalent equation.</p> $\begin{array}{r} x - 5 = -1 \\ + 5 \quad + 5 \\ \hline x = 4 \end{array}$	<p>additive inverse The opposite of a number. The additive inverse of 8 is -8.</p>
<p>Additive Inverse Property The sum of an integer and its additive inverse is 0.</p> $8 + (-8) = 0$	<p>angle A figure formed by two rays with the same endpoint.</p> 

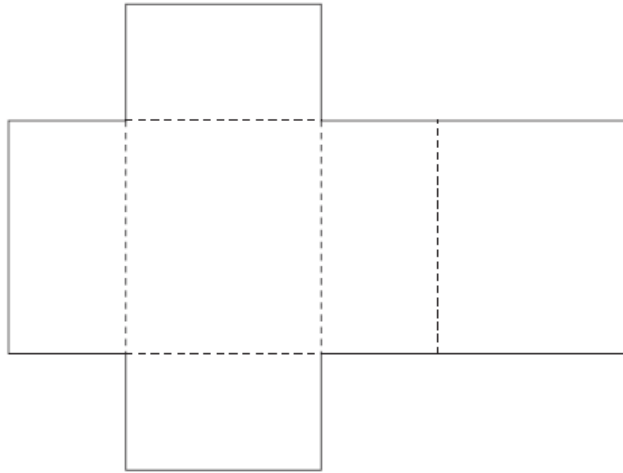
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Big Ideas Math 7 **243**
Record and Practice Journal

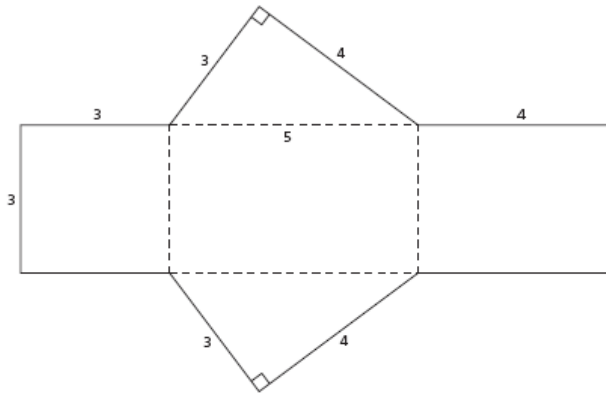
Most of the entries include a short example to aid the understanding of important concepts.

Near the end of the *Record and Practice Journal*, the **Activity** cut-out pages contain graphics of figures from the activities that a student can cut-out and use.

For use with Chapter 6 Section 2 Activity 1



For use with Chapter 6 Section 2 Activity 2



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Big Ideas Math 7 **273**
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Various card stock manipulatives are provided in the back of the *Record and Practice Journal*. Here you see integer counters.

