The Scavenger Hunt gives the students an opportunity to become familiar with the layout of text and the different icons used.

The chapter Opener provides the students with practice on What You Learned Before. The review helps the student recall previously learned skills. Additional practice for these concepts can be found in the Record and Practice Journal. This is allowed a full day in the pacing guide.

Section 1.1

Each section is introduced with an Essential Question followed by a discovery, inquiry based activity. The students work individually, in pairs or small groups to complete the activity and the “What Is Your Answer?” Pages for the activity are also found in the Record and Practice Journal. The activity is scheduled for at least 1 full day in the pacing guide.

*All pictures are from the 6th grade book.

**A day in the pacing guide = a 45 minute class period.
The Lesson

The Lesson follows the next day with a more traditional approach toward the concept. If they choose, teachers can use the Dynamic Classroom to present the lesson with Key Vocabulary, Key Concept Boxes, Examples, and On Your Own Questions. The lesson is scheduled for a least 1 full class period.

The Exercises

The Exercises follow the Lesson. They are intended to be divided between the 2 or 3 days of the section. The Exercises are divided into three parts: Vocabulary and Concept Check; Practice and Problem Solving; and Fair Game Review. The Practice and Problem Solving exercises are leveled in the Teaching Edition. The Fair Game Review provides continual practices and references for any previously learned concepts. Following the Activity students should be assigned a few problems that directly relate to the Activity and the Fair Game Review. Specific suggestions for assigning the Exercises are given in the Teaching Edition.

Study Help & Quiz

6th grade pgs. 20-21; 7th grade pgs. 20-21; 8th grade pgs. 22-23

Half way through the chapter is the Study Help and Quiz section. The Study Help provides a different graphic organizer to help the students learn to organize their thoughts and ideas as well as review the material they have covered. The On Your Own provides for use of the charts at this point in the chapter and after the chapter is completed. The Quiz covers material from the first part of the chapter. These two pages are allowed a full day in the pacing guide.
The End of the Chapter 6th grade pgs. 34-41; 7th grade pgs. 40-47; 8th grade pgs. 38-45

The Quiz

The Quiz at the end of the chapter covers the sections that follow the first quiz.

The Chapter Review

The Chapter Review provides a Review of Key Vocabulary and Review Examples and Exercises. The Chapter Review is allowed one day in the pacing guide.

The Chapter Test

The Chapter Test provides test questions for just the chapter. Other assessment options are available in the Assessment Book or by using ExamView. It is allowed one day in the pacing guide.

Standardized Test Practice

The Standardized Test Practice covers any material previously learned. The format provides students practice with multiple choice, short answer and written response questions. This is a perfect way to review for your state testing either chapter by chapter or during the weeks before the state test. A complete Item Analysis for each question is available in the Teaching Edition. This test is allowed a day in the pacing guide.
At the end of the book are four interdisciplinary project one each for Literature, History, Art and Science. These projects are optional and can be done during the year, after state testing or whenever the teacher prefers. Information and rubrics can be found on the teacher side of the website: www.bigideasmath.com.
The Big Ideas Teaching Edition provides a Program Overview on pages xvi-xvii in all three books. This overview shows all of the materials, both in Print and Technology that comes with the program.

The Correlation of the Common Core State Standards to the Book and the Book to the Common Core State Standards can be found beginning on page xviii of each book.

Other interesting information can be found in the front of the Teaching Edition, including ideas about Differentiating the Instruction and the Mathematical Practices.

The complete Pacing Guide can be found beginning on page xliiv in 6th and 7th grades and page xlii in the 8th grade book.

The Teaching Edition is designed to provide maximum support for the teacher. Beginning on page 1 of each book you will see that for every page the student has there is a facing page for the teacher providing information.

Beginning on page T-2 of each book you will find Laurie’s Notes. Dr. Laurie Boswell is a master middle school teacher that did all of the lessons and activities in her classroom while they were being developed. She wrote the lesson plans in the book. These plans are also available in an editable format on the teacher side of the website, www.bigideasmath.com. Laurie provides motivational tips, questions answers and ideas of other ways to present the material. They continue into the exercises where you will find the Assignment Guide and Homework Check on pages T-6 of the 6th and 7th grades and page T-7 of the 8th grade book.

The assignment guide shows suggested homework for Basic, Average and Advanced Students for both the Activity and the Lesson assignments. The Activity day’s assignments are the same for all three levels as there are only a few problems that are related to the activity and the Fair Game Review problems that all students need to do. The second day’s assignments are different for each level. Teachers need to remember that there may be fewer problems than they are used to because the problems may ask the students to go deeper and therefore may take longer. Each homework page also has a list of Common Errors to help the teacher. On the last page of the assignment, page T-7 for 6th and 7th grades and T-9 for 8th grade, is a red and white box, Reteaching and Enrichment Strategies. This provides information to help the teacher meet the needs of all the students in the class.

Alternative Quiz Ideas can be found opposite the Quiz page in the middle of the chapter; page T-21 in the 6th and 7th grade and page T-23 in the 8th grade book. At the end of every chapter Alternative Assessment Options are available on page T-34 of 6th grade, T-40 for 7th grade and T-38 for 8th grade.
During the Chapter Review teachers find a Review Game, page T-36 for 6th grade, T-42 for 7th grade and T-40 for 8th grade. These games provide an alternative or additional method for review.

Test Taking Strategies and tips about Common Assessment Errors can be found with the Chapter Test; page T-38 for 6th grade, T-44 for 7th grade and T-42 for 8th grade.

Accompanying the Standardized Test Practice is a complete Item Analysis for Each question, page T-39 for the 6th grade, T-45 for the 7th grade and T-43 for the 8th grade.

Beginning on page T-A2 of each book are the Project Notes to help the teacher with the projects. Additional information about the projects, including the rubrics can be found at www.bigideas.com.
Additional materials are available for Big Ideas Math, both in Print and through Technology.

**The Record and Practice Journal**

The *Record and Practice Journal*, the student workbook, provides additional practice for the Chapter Openers, pages for each of the activities with enough space for the students to write on, additional practice for each section, a full picture glossary that students can write on and black and white copies of any manipulatives that are needed. Color manipulatives and/or virtual manipulatives are available on both the Student and Teacher sides of the website, [www.bigideasmath.com](http://www.bigideasmath.com). The Record and Practice Journal can also be found on the teacher side of the website.

**Resources by Chapter**

The *Resources by Chapter* provides the teacher with a variety of extra materials that can be used for practice, differentiation, extension or fun. Included are: *Family and Community Involvement Letters*  
*Start Thinking! And Warm Ups*  
*Extra Practice A and B*  
*Enrichment and Extension*  
*Puzzle Time*  
*School-to-Work*  
*Graphic Organizers/Study Help*  
*Financial Literacy*  
*Technology connection*  
*Life connections*  
*Stories in History*  
*Cumulative Practice*  
*Unit Projects with Rubrics*

The *Resources by Chapter* can be found in an editable format on the website, [www.bigideasmath.com](http://www.bigideasmath.com).
The Assessment Book

Additional Assessments can be found in the **Assessment Book**, which include:  
- **Pre-Course Test with Item Analysis**  
- Quizzes  
- Chapter Tests  
- **Standardized Test Practice with Item Analysis**  
- **Alternative Assessments**  
- **End-of-Course Tests**

The entire **Assessment Book** can also be found in an editable format on the teacher side of the website, [www.bigideasmath.com](http://www.bigideasmath.com).

The Skills Review and Basic Skills Handbook

This full color book is written to provide additional practice and remediation on skills that have been previously taught. The **Skills Review** portion is for students that are at or just slightly below grade level, while the **Basic Skills** is for students needing more help. Both the **Skills Review and the Basic Skills Handbooks** can be found on both the student and teacher sides of the website, [www.bigideasmath.com](http://www.bigideasmath.com).

[www.bigideasmath.com](http://www.bigideasmath.com)

The website provides both students and teachers with a variety of materials. Students can access the e-edition of the book and homework help while teachers have access all of the printed materials and much more. The access code for Jefferson County is: **TB936MVC2WSC**.

For a complete walkthrough of the website go to [www.bigideasmath.com](http://www.bigideasmath.com), select the Professional Development Tab and click on **A Closer Look at the BIM Website**.

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