



Math & YOU 6-8 Features and Benefits

Visit https://bigideaslearning.com/mississippi-review (Password: MSReview2024) Your one-stop shop for all the information needed to review *Math & YOU*.

Step 1:

On the <u>Review Site</u>, view the **MS HQIM Rubrics** by grade band and **Scope & Sequence** by grade level, demonstrating 100% alignment of *Math & YOU* to the MS College and Career Readiness Standards for Mathematics (2016).



The **Scope and Sequence** and **6-8 Rubric** is provided at point of use for each grade level on the review site.





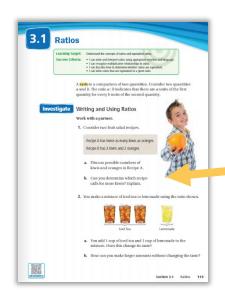


Step 2:

Review the Teaching Edition. Resources, such as the Table of Contents, show the progression of content taught throughout the grade. At the chapter level, each chapter opens with Coherence through the Grades, which demonstrates the vertical and horizontal alignment to standards progressions and implementation of the Standards for Mathematical Practices (SMPs). It provides suggested pacing and additional family resources through the **Big Idea of the Chapter**.

Step 3:

Identifying rigor in conceptual understanding within *Math & YOU* is the first of three prongs within our lesson design and visible in both the Teaching and Student Editions. Every lesson begins with the development of conceptual understanding through the **Motivate** (Teaching Edition only) and **Investigate** (Teaching and Student Editions). This part of the lesson design is consistent in every grade and allows opportunities for use of models, manipulatives, and real-life tools to support rigor and develop deep understanding.



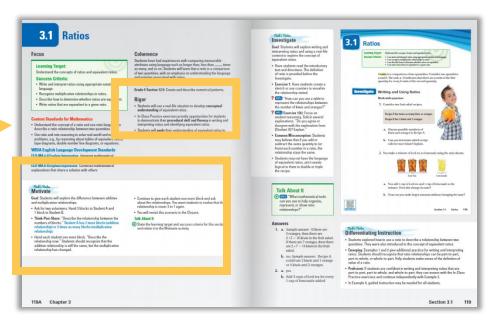
Student Edition Investigate Grade 6

Students utilize real-world contexts to deepen their understanding of the concept.









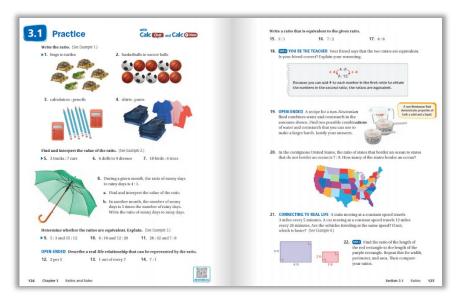
Teaching Edition **Motivate** promotes conceptual understanding, accesses prior knowledge, and encourages classroom discussion. The Teaching Edition also has specific **Rigor** callouts and, in this lesson, demonstrates Standards alignment to 6.RP.A.1 as notated on the Scope and Sequence for Grade 6.

Step 4:

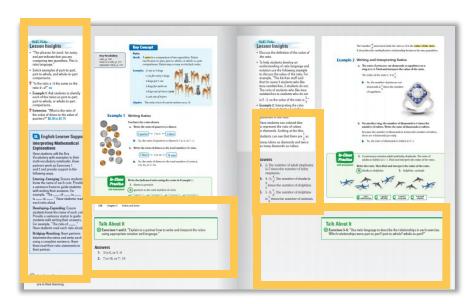
Developing procedural skill and fluency is the second prong of our consistent lesson design. Again, visible in both the Teaching and Student Editions, there are opportunities for teachers to model and students to practice, all with appropriate scaffolding and pedagogical approaches to instruction. The development of these skills will be visible in the **Key Concept, In-Class Practice**, and **Practice** sections of the lesson. In addition to developing fluency and procedural skills throughout the lesson, students also conclude the lesson with **Review & Refresh**, providing a spiral review to maintain fluency on previously learned skills.







Practice from the Student Edition. (Note: Exercises 1, 5, 9 have a blue triangle next to the number. This indicates these exercises are supported through **CalcChat** and **CalcView. CalcChat** provides a live, online tutor to support students learning. **CalcView** shows example videos of this specific exercise being worked out with explanations.



Key Concept and **In-Class Practice** with scaffolding opportunities, discussion prompts, formative check, and feedback opportunities from the Teaching Edition.

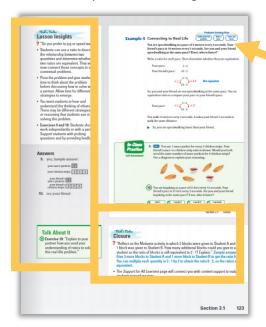






Step 5:

To complete the third prong of rigor, *Math & YOU* lessons conclude with application opportunities. Again, demonstrated in both the Student and Teaching Editions, teachers and students will find math relevant by practicing examples relating to real-world applications. This section strongly concludes the lesson with final formative check-ins and a closure activity to ensure student understanding. Students will practice applying what they have learned in the **Connect to Real Life** sections. This application is reinforced by the teacher's guidance in the **Talk About It** section found in the Teaching Edition.



Connect to Real-Life uses real-world examples that students can relate to.

Teaching Edition highlighting **Connecting to Real Life**, Teacher check-ins through multiple discussion prompts and feedback opportunities, including **Talk About It** and the **Closure** for this lesson.

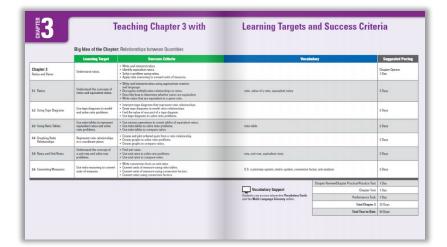
Step 6:

In need of even more ways to provide tailored, rigorous instruction for your students? Look at the chapter openers and closers, which include **Learning Targets and Success Criteria, SMP guidance, Career Explorations** and connections, corresponding **Performance Tasks**, and **Chapter Practice**. Also, in the print **Practice Workbook**, teachers have access to Tier-1 practice for every lesson as well as targeted standards-based practice. Further practice, differentiation and assessments can be found using the online platform, www.myadamath.com. Login credentials and a digital walk through are found on the Review Site webpage (password: MSReview2024).

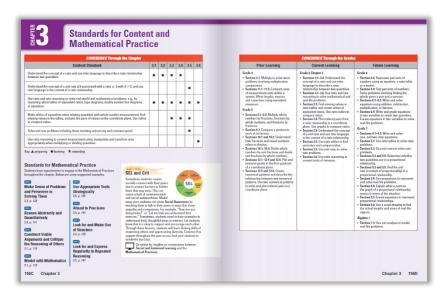








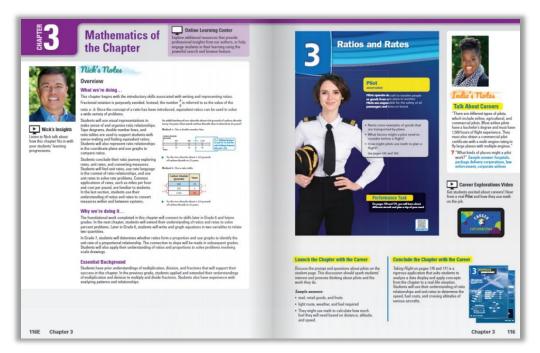
At the beginning of each chapter, teachers can review the Learning Targets and Success Criteria, related to each lesson, review Vocabulary and view the Suggested Pacing to ensure mastery and understanding for all students. This dives into standards at a deeper level, ensuring all parts of a standard are taught and mastered.



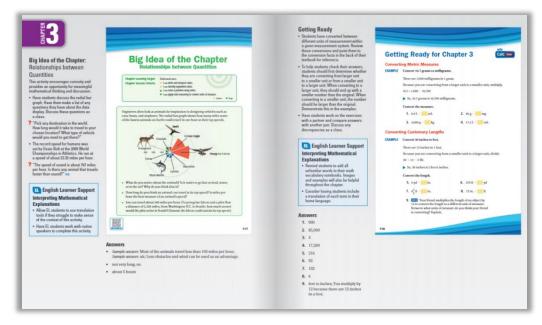
Teaching Edition Chapter Introduction with **SMP Guidance** and vertical and horizontal alignment with **Coherence Through the Grades**.







The **Mathematics of the Chapter** provides teacher support for new and veteran teachers. It explains the relevance of the content, common misconceptions and introduces a career that relates to the content of the chapter and lessons.



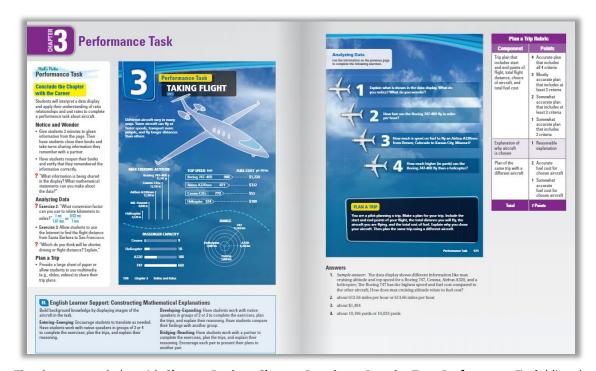
The **Big Idea of the Chapter** encourages curiosity and provides opportunities for meaningful mathematical thinking and discussion.











The chapter concludes with **Chapter Review**, **Chapter Practice**, a **Practice Test**, **Performance Task** (directly related to the career launched at the beginning of the chapter), and **Chapter Assessment** (on digital experience) to reinforce and assess learned content.

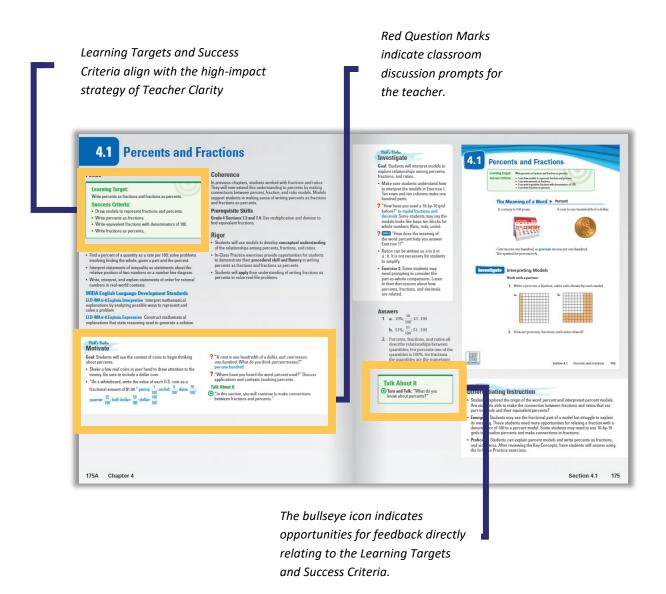






Step 7:

Math & YOU is designed to support teachers with point-of-use professional development in the Teaching Edition. Math & YOU embeds proven high-impact strategies within every lesson. These strategies, such as classroom discussion, teacher clarity, and feedback, are proven to be highly effective strategies that are within a teacher's control from Dr. John Hattie's Visible Learning research. These high-impact strategies are found in every lesson beginning with Learning Targets and Success Criteria, along with opportunities for feedback, and discussion prompts all at point of use in every lesson.







Step 8:

Using the digital access credentials found on the <u>Review Site</u>, visit <u>www.myadamath.com</u> to view summative, formative, and self-assessment options. Once logged in, select <u>Plan</u>. Along the left side of your Learning Path, you will find <u>Pre-Course Tests</u>, additional <u>Course Resources</u>, <u>Standards-Based Practice</u>, and <u>Additional Topics & Lessons</u>. Expand a chapter to view the <u>Mid-Chapter Tests</u>, <u>Performance Task</u>, <u>Chapter Tests</u>, and in select chapters, a <u>Multi-Chapter Test</u>. You will have the opportunity to view reports for all assessments, including <u>Item Analysis Reports</u>.

