

Math Connection?, Grade 3 (Connections? Series)

Graphics that Guide Mathematical Understanding

- Illustrations and labeled diagrams provide specific information to explain key math concepts.
- Visual and written examples of key concepts build comprehension and further context.
- Graphs, charts, and diagrams provide practice with interpreting and gathering data.

Resource Pages

- Problem solving strategies including how to develop a plan for problem solving are explored, as well as an introduction to the 10 most common problem-solving strategies.
- Addition and multiplication tables support practice with basic operations.
- Grade-appropriate references for common measurements encourage deeper awareness of abstract concepts of portion and size.
- Tips and strategies, specific to math, that quell test anxiety and foster confidence.
- A comprehensive guide for students that details expectations under the Common Core State Standards.

Independent Investigations

- *Think Like a Mathematician* (pages 57–65) provides students guided practice with open-response questions based on a specific math fact. As references, students use the Glossary and Student Models of Written Responses (pages 70–72).
- *Math Investigations* (pages 66 and 67) provide students with opportunities to work with open-ended math problems. Students choose among a variety of math problems that require independent research and further exploration in order to solve.
- Independent Investigations can be done alone, with a partner, or small group. Working with a partner or in a group provides further opportunities to critique work and explore different ideas and math concepts.

Common Core: Applying Math Practices and Problem-solving Skills

- Studies consistently show that students perform better when they know what is expected of them. A *Student Guide to Common Core* is provided so that students understand grade-level expectations.
- Each math term is assigned the name of a Common Core math domain. This provides further opportunities to explore the different concepts associated with a variety of mathematical applications. There are other concepts in other domains that students will likely learn about. We've correlated those skills with the most recent basal instruction and have included information about those domains as well.
- *Note:* Domains increase in complexity as the grade levels advance. Some terms related to grades 6-8 domains appear in grade levels lower than those indicated by the Common Core Standards (i.e. Statistics and Probability). Conversely, skills related to some domains occur in grade levels higher than those indicated by the Common Core Standards (i.e. Number and Operation in Base 10).



Check out our *CORE Connections Series* for Math (Levels 3-8), a perfect companion to the *QUICK SMART™ Math Series*. *CORE Connections* provides daily practice with math concepts and Common Core applications to further enhance skill building and strategic reasoning.

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