

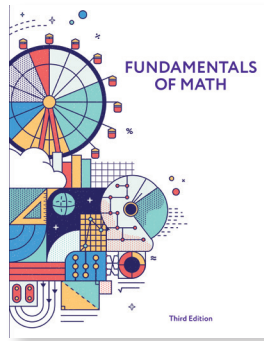
Fundamentals of Math

COMPARISON CHART

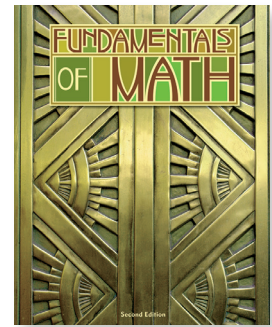
NEW

Updates

The 3rd edition reflects substantial changes based on current standards and customer feedback to present a balanced study of foundational mathematics. Design changes have been implemented to make this course more engaging for middle school students. The 3rd edition products are not compatible with the previous edition.



3rd Edition



2nd Edition

Scope & Sequence

- Chapter 1, "Whole Numbers," and Chapter 2, "Decimals," have been combined.
- Chapter 3, "Numerical and Algebraic Expressions," has been added.
- Chapter 10, "Probability and Statistics," has been split into two chapters.
- Chapter 11, "Integers," and Chapter 12, "Introduction to Algebra," have been moved to be covered earlier.
- Chapter 14, "Logic and Set Theory," has been removed and concepts from it incorporated into the rest of the book.
- The topic of base arithmetic has been removed.

Content Revisions

- Difficulty level of problem sets and activities has been made more consistent to make it easier to identify the challenging exercises.
- Reading level, visuals, and teaching strategies have been adjusted to create a more gradual transition from *Math 6* to *Fundamentals of Math*.
- A teaching cycle that follows four steps (engage, instruct, apply, assess) has been incorporated into the teacher edition.
- Math practices are emphasized and mapped in the teacher edition.
- The page count has been reduced from 688 to 616.
- An intentional scope and sequence of biblical worldview shaping objectives to cover the five mathematics themes has been added.
- *Math in Scripture* features have been replaced with the biblical worldview shaping scope and sequence.
- *Problem Solving* features have been significantly condensed and revised.
- Student activities now provide more than just supplemental concept practice: additions include math games, mixed practice, STEM projects, enrichment opportunities, cooperative learning activities, and discovery activities.

New Features

- *Math—then & now* features have replaced *Math in Use* features to introduce the origins of mathematical ideas and processes and briefly trace their development.
- *Application Problem* features have been added to challenge students and provide cooperative learning activities.
- Four STEM projects, one per quarter, have been added to the student activities and are previewed in the student edition.

Textbook Snapshot

