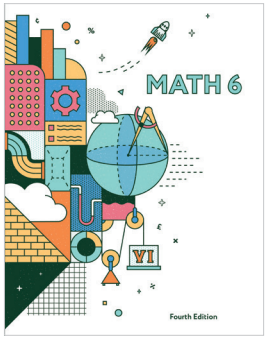
Math 6

COMPARISON CHART

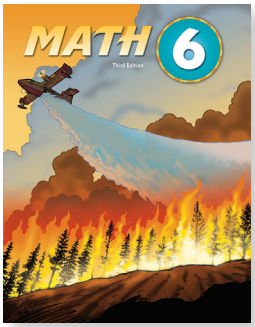
NEW

Updates

The 4th edition reflects various changes based on current standards and customer feedback. Updates made in this edition have been designed to distinguish this program as a middle school course that transitions students away from elementary-level learning. Since no chapters were added, deleted, combined, or divided, elements of this program may be compatible with the previous edition, but design changes and new features will make mixed editions difficult to manage.



4th Edition



3rd Edition

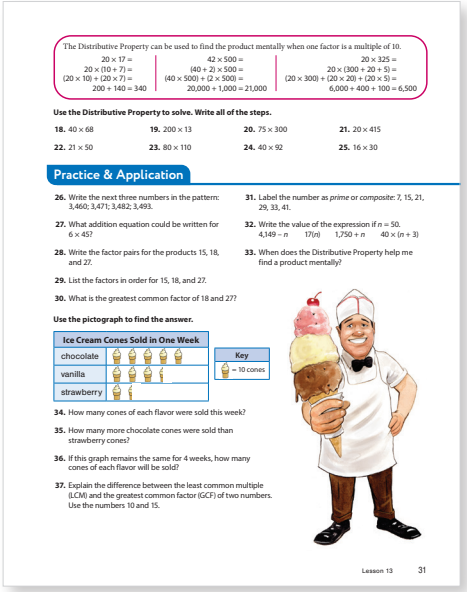
Content Revisions

- Reduced student pages have been enlarged in the teacher edition.
- A teaching cycle that follows four steps (engage, instruct, apply, assess) has been incorporated into the teacher edition.
- An essential question has been added to each lesson, and a biblical worldview essential question has been added to each chapter.
- Solutions have been moved from the back matter to the margin of lesson pages in the teacher edition.
- Career Link and Exploring Ideas sections have been removed.
- Themed chapter introduction pages have been replaced with a chapter opener that features the chapter's biblical worldview essential question.
- The page count has been increased from 528 to 544.

New Features

- Math Talk features have been added to many teacher edition chapters.
- Four STEM lessons have been added.
- Biblical worldview themes have been added to help students learn to apply a biblical worldview of mathematics to real-world problems.

Textbook Snapshot


The Distributive Property can be used to find the product mentally when one factor is a multiple of 10.

20 × 17 =
20 × (10 + 7) =
(20 × 10) + (20 × 7) =
200 + 140 = 340

42 × 500 =
(40 + 2) × 500 =
(40 × 500) + (2 × 500) =
20,000 + 1,000 = 21,000

20 × 325 =
20 × (300 + 20 + 5) =
(20 × 300) + (20 × 20) + (20 × 5) =
6,000 + 400 + 100 = 6,500

Use the Distributive Property to solve. Write all of the steps.

18. 40 × 68 **19.** 200 × 13 **20.** 75 × 300 **21.** 20 × 415

22. 21 × 50 **23.** 80 × 110 **24.** 40 × 92 **25.** 16 × 30

Practice & Application

26. Write the next three numbers in the pattern: 3,460; 3,471; 3,482; 3,493.

27. What addition equation could be written for 6 × 45?

28. Write the factor pairs for the products 15, 18, and 27.

29. List the factors in order for 15, 18, and 27.

30. What is the greatest common factor of 18 and 27?

31. Label the number as *prime* or *composite*: 7, 15, 21, 29, 33, 41.

32. Write the value of the expression if $n = 50$.
4,149 − n 17(n) 1,750 + n 40 × (n + 3)

33. When does the Distributive Property help me find a product mentally?

Use the pictograph to find the answer.

Ice Cream Cones Sold in One Week	
chocolate	
vanilla	
strawberry	

Key: = 10 cones

34. How many cones of each flavor were sold this week?

35. How many more chocolate cones were sold than strawberry cones?

36. If this graph remains the same for 4 weeks, how many cones of each flavor will be sold?

37. Explain the difference between the least common multiple (LCM) and the greatest common factor (GCF) of two numbers. Use the numbers 10 and 15.

Lesson 13 31