

NEW

Math 5

COMPARISON CHART

Updates

Math 5 (4th edition) replaces the 3rd edition for the 2021 school year. The content in the two editions is compatible, but significant improvements have been made to teaching strategies and biblical worldview shaping, and new teacher helps and STEM lessons have been added.



4th Edition



3rd Edition

Basic Features

Student Edition Page Count	388	464
Units	18	18
STEM Lessons	8	0

Scope & Sequence Updates

- There are no changes to the scope and sequence.

STEM Lessons

- There are eight two-page STEM lessons.

Student Edition

- Daily review pages and cumulative reviews are no longer in the student edition. Cumulative reviews are in the activities book. The Daily Reviews are online.

Pedagogical Approach

- Includes more opportunities to practice collaborative learning.

Teacher Edition

- Increased the size of reduced student pages.
- Some instructional aids formerly in the Teacher Toolkit CD now included in back matter.
- Includes answers to the activities book.

Textbook Snapshot

Find the Silver Eagle

In 1942, in Europe, the Second World War is raging between the Axis Powers and the Allies. Nazi Germany dominates the skies with their Focke-Wulf and Messerschmitt fighter planes. But now the developing American air force has come to the aid of Nazi-occupied France. This is the setting of Ed Dunlop's novel *The Search for the Silver Eagle*, in which he describes a dogfight between German and American planes over the mountains of France. Imagine yourself on the scene, looking on with young friends Philippe, Hans, and Corbin.

Several of the great Messerschmitts had circled to gain altitude, then came diving toward the American with their guns and cannons blazing. The silver [American] P-51B went screaming into a frantic dive. Twisting and turning, the American pilot maneuvered for his life, but the enemy planes managed to stay on his tail, pressing back into the extraordinary phase the entire time. . . .

"He's on fire!" Philippe whispered loudly. The dying plane spiraled toward the mountainside above them. Hans was relieved to see a white parachute open. Then

it drifted toward the tree line as the burning plane disappeared somewhere above them on the mountainside.

You rush with your friends to rescue the American before the Nazis find him, little knowing that he holds a secret that could give the Allies the upper hand in air superiority.

With the American safely hidden, you and the French villagers must act quickly. Using what you know about modeling God's world with math, can you help create a top-secret prototype to the Allies without revealing the location of the pilot's plane to the Germans? Succeed and help defeat the enemy!

Ed Dunlop. The Search for the Silver Eagle. © 2004. All rights reserved. Reprinted from www.eddunlop.com.

Properties Name _____

Commutative Property of Addition
The order of addends can be changed without changing the sum.
 $a + b = b + a$

Associative Property of Addition
The grouping of addends can be changed without changing the sum.
 $(a + b) + c = a + (b + c)$

Match the equation to the statement that describes it. One answer choice is used twice.

1. $23 + 42 = 42 + 23$
A The addends are grouped differently, but the sum is the same.

2. $28 - 10 = 28$
B The sum when 0 is added is the other addend.

3. $59 + 0 = 59$
C The addends are written in a different order, but the sum is the same.

4. $(6 + 3) + 21 = 36 + 3$
D The difference when 0 is subtracted is the other number.

5. $5 + 0 = 5 + 0$

Identify Property of Addition
Which is subtracted from a number, the sum is the other addend?
 $r + 2 = 7$
 $a + 0 = a$

Zero Principle of Subtraction
When 0 is subtracted from a number, the answer is that number.
 $4 - 0 = 4$
 $a - 0 = a$

6. $(3 + 4) + 7 = 3 + (4 + 7)$
7. $138 + 0 = 138$
8. $0 - 0 = 437$
9. $56 + 17 = 17 + 56$
10. $3 + (2 + 5) = (6 + 2) + 5$
11. $0 + 281 = 281$

Write the values of n that makes the statement true.

12. 12 13. 21 14. 15
15. 15 16. 43 17. 27
18. 18 19. 79 20. 35

21. 83 22. 16 23. 17 24. 73
25. 46 26. 56 27. 61
28. 34 29. 47 30. 57

Math 5 Lesson 10