

The Great Graph Contest

Grade 2

5 skill lessons · 3 math-through-reading

Skill lessons

5 lessons on the mathematics the book carries. Printable workbook pages and teacher keys are not available for this book yet.

1. Two Squares and the Words That Say What They Are

Representation · Sorting a collection into two groups by an attribute you choose, and labelling them

2. Fifteen and Nine, Side by Side

Concept · Comparing two counts within twenty by building and matching rows

3. The Taller Stack Only Wins If the Pieces Match

Representation · Building a bar graph from real objects in three categories, with a fair unit

4. Both Goes in the Middle, Neither Goes Outside

Concept · Sorting into two overlapping groups, including both and neither

5. Ask, Write It Down, Then Build It

Application · Asking a survey question, recording each answer, and building columns from the record

Math through the reading

The mathematics is reached through a sentence the book prints: change one word in the reading and the numbers change with it. These carry their own standards, matched against these lessons rather than inherited from the skill ones.

6. More Is Two Groups, Most Is All of Them

Integrated · Students find that swapping one small word changes how many stacks they have to look at, and build a sort where more is true and most is false at the same time.

7. The Judge Never Did the Math

Integrated · Students score two of the book's graphs on the judge's own criterion of correct math and argue their score to him out loud, with the counts in the sentence.

8. Six More and Six Fewer Are the Same Six

Integrated · Students build the book's two rock counts as matched rows, find the six that have no partner, and say the one arrangement in both directions without moving anything.

Reading and language lessons

5 lessons on the reading and language the book carries - what a word means in its sentence, how a character is shown, how a text is built. No mathematics: these are matched against the English language arts curricula, which are a different and smaller set than the mathematics ones.

9. I Wonder: The Sentence That Starts Every Investigation in This Book

Language · The Question a Writer Asks Before Investigating

10. Think, Collect, Use, Put: How the Back of the Book Tells You What to Do

Language · Reading a Set of Steps and Following Them

11. Excuse Me, May I Ask You a Question? How Beezy Talks to Strangers

Language · Asking a Polite Question and Listening to the Answer

12. He Cut, He Drew, He Put: How the Back of the Book Retells What Happened

Language · Explaining How Something Was Made, Step by Step

13. Venn, Then, End: A Word This Book Spells Three Different Ways

Language · Special Words a Book Gives You, and Checking Them