

Otto and the New Girl

Grade 3

4 skill lessons · 2 math-through-reading

Skill lessons

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

1. Fold It and See If It Matches

Concept · Testing a figure for a line of symmetry by folding

2. None, One, or Several

Representation · Counting how many lines of symmetry a figure has

3. Which Names Survive the Mirror

Application · Applying the line-of-symmetry test to letters and letter strings

4. Turn It Instead of Folding It

Reasoning · Distinguishing rotational symmetry from line symmetry by turning a figure

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.

5. Match Exactly, or Match Almost

Integrated · Students sort the same set of paper figures twice, once under the book's own fold rule and once under a rule with one word changed, then hold the two sorts side by side and name the figures the word moved.

6. Does Viv Get Into the Club?

Integrated · Students build the story's names from capital letter cards, run the folding test on them, take a position on whether the short name earns the mirror-name title, and defend it with a count of letters a partner can check.

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.

7. Who Said That: Finding Speakers with No Marks on the Page

Language · Reading Dialogue Without Quotation Marks

8. I Bet: When the Person Telling the Story Is Guessing

Language · First-Person Narrator and What He Assumes

9. Everything Is Upside Down: Words That Mean Something Else

Language · Literal and Figurative Meaning

10. From Perfect to Upside Down and Back

Language · Tracking a Misunderstanding Across a Story

11. I Sigh: Reading a Feeling the Narrator Will Not Name

Language · Inferring Feeling from Action