

Pizza Counting

Grade 3

3 skill lessons · 4 math-through-reading

Skill lessons

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

1. The Slice That Looks Smaller Because There Are More of Them

Concept · Comparing two fractions with the same numerator by reasoning about the size of the parts

2. Cut Into Six, Divided Into Sixths

Representation · Partitioning a whole into equal parts and naming the parts from the number of parts

3. Ten Slices, Two a Day, and the Same Ten Again

Application · Partitioning a count of equal slices into equal daily groups and counting the groups

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.

4. The Word That Has to Be True Before You Can Say Thirds

Integrated · Students cut identical pizzas with and without the book's word equal, stack the resulting pieces to see which cuts survive, and decide from the pieces alone which of two circles has earned the name the book gives it.

5. The Person the Sentence Forgot to Count

Integrated · Students deal out the six slices of the book's target pizza at two per person to find how many people are eating, then check that number against the party the book names and explain why the reader has to be counted too.

6. Talking Someone Out of the Bigger Number

Integrated · Students take a side on the book's last question, build both slices out of the same size pizza, and argue the case to the reader the book has been addressing until the pieces settle it.

7. Bigger Than and Smaller Than the Same Slice

Integrated · Students stack a sixth on an eighth cut from equal pizzas and say the one relation both ways round, then find the pair on the book's list where neither word will do.

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.

8. The cat, the whale, and the apple pie

Language · Explaining the meaning of a common expression that is not literal

9. Where the page changes subject

Text structure · Noticing how an author joins a picture to an outside fact

10. Why this pizza is called that

Vocabulary · Working out why a thing was given the name it has

11. What the first page promised

Comprehension · Judging whether a book keeps what its opening promised

12. A pizza like a blank page

Language · Testing what a comparison gives a reader that plain description does not