

Kitchen Math

Grade 4

5 skill lessons · 4 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. How much soup for three?

Application · Finding a scale factor from a serving count and dividing ingredient amounts by it

2. Two answers for one roast

Application · Multiplying a rate given as a range by a weight and converting the minutes to hours

3. The same pound and a half, twice

Reasoning · Deciding which multiplication a sentence asks for when the same amount is attached to two different counts

4. Which pan spreads the batter thinner?

Representation · Computing the area of two rectangles from stated lengths and widths and comparing them

5. When can Tam eat a cookie?

Fluency · Adding three intervals of minutes onto a clock time and finding the elapsed time between two clock times

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. The word that says how many times to weigh it

Integrated · Students sort the book's distributing words by the operation each one sets up, then prove one load-bearing by swapping it and watching the fridge time triple.

7. The number Anna never says

Integrated · Students count three eaters out of a sentence that never says three, use it to size the cut, and pair every vegetable answer with the line that funds it.

8. Telling Aunt Megan when to take the roast out

Integrated · Students compute both ends of a stated cooking range, choose one time for a cook who needs a single number, and defend the choice aloud to her with the minutes in it.

9. Thirteen squares, said both ways

Integrated · Students build both loaf pans on grid paper, find the thirteen squares between them, and say the relation forwards and backwards over one unchanged arrangement.

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.

10. The Glossary at the Back: A Text Feature and Its Job

Reading · Reading a Glossary and Saying What It Is For

11. Want Proof? How Each Section Opens Before It Explains Anything

Reasoning · How an Informational Writer Pulls a Reader In

12. Customary and Metric: Two Words the Book Teaches As a Pair

Vocabulary · Learning a Technical Word From How the Book Introduces It

13. First, Then, Finally: The Words That Hold an Order Together

Reading · Following Order Words Through a Told Sequence

14. Tisa, Tony and Grandma: Why an Explaining Book Has Characters At All

Reasoning · Reading the People a Non-Fiction Book Invents to Explain With