

Fractions, Decimals, and Percents

Grade 4

5 skill lessons · 2 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. The Box the Book Never Answers

Concept · Writing an amount of cents as a fraction of a dollar, a decimal, and a percent

2. Three Ways, Fast

Fluency · Producing the three equivalent forms of a hundredths amount at speed

3. Ninety Cents or Nine Cents

Reasoning · Deciding the value of a digit by its place relative to the decimal point

4. Finish the Division the Book Starts

Application · Changing a fraction whose denominator is not 100 into a decimal by dividing

5. Same Amount, Different Occasion

Representation · Choosing which of the three equivalent forms fits a situation

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. Which Number Goes Inside?

Integrated · Students divide both ways around the book's procedure sentence and use the book's own printed answers to decide which reading the sentence must have meant.

7. The Third Box

Integrated · Students count the coin box the book asks about and never answers, then find the later sentence that proves what the answer had to be.

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 Words Between the Commas

Language · Reading a definition set between commas inside a sentence

9. Probably, Might, But He Could

Author's craft · Noticing words that make a claim careful rather than certain

10. What a Person Would Actually Say

Comprehension · Explaining why a speaker chooses one way of saying something over another

11. Rules, In the Order You Need Them

Text structure · Following a set of game rules and finding the step that decides the end

12. Everywhere, Said Four Times

Author's craft · Explaining why a text repeats the same phrase in different places