

Origami

Grade 4

3 skill lessons · 3 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. Testing paper folds for right angles

Concept · Identifying right angles and classifying figures by them

2. Counting the right angles in one tower section

Application · Multiplying a per-part count by a number of parts

3. Counting the frog's right angles and saying where

Reasoning · Counting right angles in a figure and justifying where they were found

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. Two folds, two figures: the words that decide which

Integrated · Students fold one square two different ways, test the corners of each figure, and show that changing the fold phrase changes both the figure and its right-angle count.

5. The number the tower never prints

Integrated · Students establish from three sentences how many rectangles a tower section has and how many right angles each carries, then produce the total the book leaves out and say which sentence gave them each factor.

6. Counting the frog, and saying where you looked

Integrated · Students count the right angles on a finished origami frog, record where each was found, and defend their total to a partner and to the book's own crafter by naming the places they searched.

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. May Have, Probably, However: How Sure Is This Writer?

Comprehension · Reading the Words a Writer Uses to Show How Sure They Are

8. The Word Origami Comes From: Naming a Word Rather Than a Thing

Vocabulary · Reading a Text's Account of Where a Word Came From and What Else It Means

9. Fold, Turn, Keep: How an Instruction Is Written

Comprehension · Recognising the Sentence Types and Order Words That Build a Set of Instructions

10. This Way: The Sentence That Says Why You Were Told To

Comprehension · Reading the Reason and the Condition a Writer Attaches to an Instruction

11. At First, Then, Last Year: The Part of the Book About One Person

Comprehension · Reading a Profile Section and Saying How It Differs From the Explaining Text Around It