

Sir Cumference and the Viking's Map

Grade 4

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. First Number the Road, Second Number the River

Concept · Locating a place from an ordered pair of numbers along two crossing lines

2. Marker Three, Marker Six, Marker Two

Representation · Reading and naming a position on a numbered line of markers

3. Everything Counts From the Crossing

Concept · Using a fixed starting point where two lines cross, and counting out from it in four directions

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. Which Line Does This Number Belong To?

Integrated · Students travel two number pairs that use the same digits in different orders and say, in a full sentence, which line each number was spent on.

5. Three, Then Six, Then Two

Integrated · Students walk a token along a numbered road in the book's order, then try to reorder the events and find the journey stops working.

6. How Far Back to the Turn?

Integrated · Students count the numbered stones between the overshoot and the turn by walking them, and say the number in a sentence that names both markers.

7. Two Threes on One Map

Integrated · Students take a side on which of the map's two threes the Viking meant and argue it to Radius using the numbers on the map.

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. As Rare As Dogs With Wings

Concept · Reading a comparison that exaggerates on purpose

9. The Line That Comes Back: Reading Burnaby's Song

Concept · Hearing how repetition and rhyme build a song

10. Settle Down, Mates: How the Robbers Talk

Reasoning · Noticing how an author gives a character a distinct way of speaking

11. Dim, Musty, Damp: Building a Mood One Word at a Time

Reasoning · Tracing how word choice builds mood across a scene

12. Cutting Edge and Sharp Thinking: The Joke in the Last Line

Representation · Reading a phrase that carries two meanings at once