

Beanstalk: The Measure of a Giant

Grade 4

5 skill lessons · 3 math-through-reading

Skill lessons

5 lessons on the mathematics the book carries. Each lesson has printable workbook pages and a separate teacher key.

1. How Many Jacks Make a Ray?

Concept · Multiplicative comparison of two measured heights

2. Build a Hoop That Is Three Times a Height

Application · Multiplying a whole number by three to build a matching measure

3. Check Jack's Number

Reasoning · Finding a missing factor and multiplying a two-digit number by ten

4. Twelves Between Inches and Feet

Fluency · Converting inches to feet by multiplying and counting by twelve

5. Seven Lines Each Way

Representation · Building a rectangular array and writing its multiplication equation

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. Count the Squares the Book Never Counts

Integrated · Students infer how many squares Jack's giant checkerboard has from the two sentences that describe how he drew it, and give the number together with the line that proves it.

7. Is Twelve Feet a Fair Hoop?

Integrated · Students compute two different comparisons of the boys' hoops, take a position on whether the game is fair, and write an argument that carries its numbers inside it.

8. Say It Both Ways

Integrated · Students lay two of the book's measured heights against each other and produce the relation as a true sentence in each direction, then do it again where the reversal forces a different comparison word.

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.

9. Two Jacks, Two Giants: Comparing This Story to the Tale You Know

Comprehension · Comparing a Retelling to the Traditional Tale

10. Towered, Elongated, Scurried: Reading the Clues Around a Word

Vocabulary · Determining Word Meaning from Context

11. What Ray Shows Before He Says It

Comprehension · Describing a Character from Words and Actions

12. Who Said It: Quotation Marks and Speaker Tags

Language · Punctuating and Reading Dialogue

13. Naming a Thing That Has No Name

Vocabulary · Explaining Where a Word Comes From