

# Sir Cumference and the Great Knight of Angleland

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. Smaller Than the Right Angle, Larger Than the Right Angle

Concept · Classifying angles as smaller than, equal to, or larger than a right angle

### 2. Make the Medallion, Read the Angle

Representation · Measuring an angle in whole degrees with a circular scale

### 3. Too Big, Too Small, Almost Right

Fluency · Subtracting whole-degree measures within 100 to find the distance from ninety

### 4. Measure the Turn, Choose the Door

Application · Choosing an angle that satisfies a stated condition by measuring

### 5. Double the Right Angle

Reasoning · Joining two right angles to make a straight angle

## 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. Change One Word, Change the Angle

Integrated · Students build and measure both results of a one-word change in Sir Degrees' instruction, then say the two sentences side by side.

### 7. The Corridor the Book Never Measures

Integrated · Students find the measure of the fourth corridor, which the text never states, and name the sentence that proves it.

**8. Twice the Right Angle, Half the Straight Angle**

Integrated · Students build the book's two stated angles, then say the relation between 90 and 180 forwards and backwards about one 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.

**9. Sir Cumference: How an Author Cuts a Word to Make a Name**

Language · Wordplay and Word Formation in Names

**10. Foe and Go: How the Warning on the Door Is Built to Be Heard**

Reading · Rhyme, Rhythm and Sound in Verse

**11. He Is Not Old Enough: Reading Four People Who Want Four Things**

Reading · Character Motive from Dialogue

**12. Unseen Things Scuttled: How the Maze Is Made Frightening**

Reading · Sensory Language and Comparison

**13. But How Did You Do It: Retelling What Happened, In Order**

Discussion · Retelling a Sequence in Order