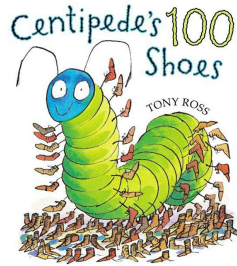# Too Many Shoes

Centipede's 100 Shoes
TONY ROSS

Task

Centipede got 100 pairs of shoes, but he only has 42 feet. How many extra shoes does he have?

Standards and Learning Targets

Standard 2.OA.1 Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing with unknowns in all positions, for example, by using drawings and equations with a symbol for the unknown number to represent the problem**.**

Learning Target: Subtract within 100 to solve a one-step word problem.

Lesson Outline

Anticipate Strategies: Before you begin this lesson, be sure to anticipate the strategies your students might use to determine how many extra shoes Centipede bought using the Picture Book Problem Monitoring Chart. For example, students might use base ten blocks, start with 42 and count up, count back from 100, or use an invented algorithm.

Launch: Read aloud Centipede's 100 Shoes. Stop reading when you get to the page where Centipede realizes he only has 42 feet. The illustration on this page shows Centipede with some shoes on his feet and some in front of his feet. Ask how many feet Centipede actually has, and count them. Then pose the problem, How many extra shoes does Centipede have?

Use numbers or pictures to explain your thinking.

[Too Many Shoes Recording Sheet](#)
Explore: Students work independently or in pairs to figure out how many extra pairs of shoes Centipede bought. Provide students with manipulatives such as base ten blocks or snap cubes. As students work, use the monitoring chart to identify strategies students are using as they solve the problems to help facilitate the discussion. Purposefully select students to share how they solved each of the double problems.
Summarize: Once students have solved the problem, purposefully select students to share how they determined how many extra shoes Centipede has. As students share their thinking, create a subtraction strategies anchor chart. Ask students what they would do with the extra shoes before finishing the story.
Extension Ideas: Centipede shares his extra shoes with other insects. Students can determine what insects they would share their shoes with.

Thank you for using one of our Picture Book Tasks! We would love to know more about your students' strategies when solving the problem, ideas you had for improving the task, and other math problems you and your students noticed or wondered about after reading the book.

Please complete our [Picture Book Task Survey](#) so that we can learn more about your experience teaching, how students solve problems, and improve our Picture Book Task Bank.