

## Mouse Gets the Cheese



### Task

Mouse made a mess, but he really wants to get to his cheese! Code Mouse so that he can make it through the “mess” and get to the cheese. Then draw a representation of the path Mouse took to get to the cheese and write a number sentence to match.

### Standards and Learning Targets

**Standard 1.OA.8** Determine the unknown whole number in an addition or subtraction equation relating three whole numbers. *For example, determine the unknown number that makes the equation true in each of the equations  $8 + ? = 11$ ,  $5 = ? - 3$ ,  $6 + 6 = ?$*

**Standard 1.OA.5** Relate counting to addition and subtraction. *For example, by counting on 2 to add 2.*

**Learning Target:** Relate counting to addition and write a number sentence

### Lesson Outline

**Launch:** Set up code-and-go paths for each group (the path should be an appropriate number sentence for your student’s ability level, for example, it could be  $8+2+5$ , it should not be more than 3 whole numbers)

Read Aloud Mouse Mess by Jodi Rolland (or a similar story).

Pose the Problem: Mouse made a mess, but he really wants to get to his cheese! Code Mouse so that he can make it through the “mess” and get to the cheese. Then draw a representation of the path Mouse took to get to the cheese and write a number sentence to match.

Here is a recording sheet to use with this task: [Mouse Gets the Cheese Recording Sheet](#).

**Explore:** Have students work in groups of 2-3. Students work on coding the mouse to get to the cheese. While students are coding, watch out for misconceptions like counting the green block they are on.

Once students successfully get to the cheese, have them draw a representation of the path Mouse took and write a number sentence to match.

**Summarize:** Have each group share their path and number sentence.

Questions to ask students during the discussion:

- How did you figure out how to help your Mouse get to the cheese?
- How did you know what number sentence to write?
- Does it matter which order we write the numbers in the number sentence in?
- What do the addition sign and equal sign mean in your number sentence?

Write the story that goes with the number sentence as a class.

**Extension Ideas:** Setup several new paths around the room. Allow students to code their mouse to get to the cheese, draw a representation, and write a number sentence to match each path.

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.