

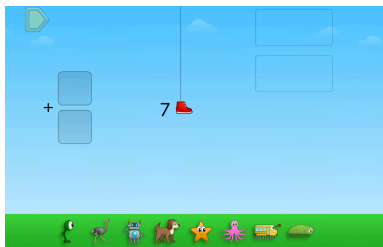
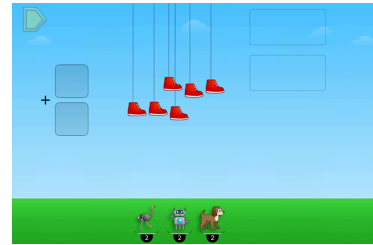


Materials

JiJi Creature Cards  
white board and dry erase markers

Directions

- Give students a set of Creature Cards, a whiteboard and dry erase marker. Display the first puzzle from Level 1 that has more than one correct answer. Discuss what students notice and their strategies for solving the puzzle.
- Share students' answers and try one. Ask students, "Is there another correct answer? What could it be? Turn and talk to a neighbor about what a different correct answer would be for this puzzle.
- Repeat with the remaining puzzles in Levels 1 and 2. Have students use their Creature Cards and work some puzzles on their whiteboards. Ask students to write equations to represent their answers.



- Display the first puzzle in Level 3. Ask students how the puzzles compare to other levels.
- Discuss what the numbers represent and how the puzzle would look without the numbers.
  - Ask what they know in the puzzle and what they do not know in the puzzle (what they are solving for).
- On some puzzles have students write two expressions that could be used to solve the puzzle and show them as an equation.
  - Ask if this equation is true (e.g.,  $4 + 1 = 1 + 4$ )
  - Prove that the equation is true or false.
- Repeat with the remaining puzzles in Level 3.

Sample Questions

- Are there any other solutions for this puzzle?
- What do you know in this puzzle? What do you need to find out in this puzzle?
- Is this equation true? (Show an equation with two equal addition expressions for the puzzle.)
- Is  $2 + 3$  the same as  $3 + 2$ ? How do you know?

What to look for

- How does the student:
- use the Creature Cards to help represent and solve the puzzles?
  - write equations to show that two different solutions are equal?
  - discuss how different combinations of creatures can equal the same number of shoes?
  - discuss what the numbers in the equations represent in the puzzles?
  - prove whether equations are true or false?