

Master 38: Activity 17 Assessment

Missing Numbers

Finding the Missing Number Behaviours/Strategies

1. Student uses a pan balance to solve for an unknown value in an addition problem, adding cubes until the pans balance (gives no thought to numbers).

2. Student turns over a card, but focuses on one side of the equation, giving no thought to the other side, and is unable to solve for an unknown value in an addition problem.

3. Student solves for an unknown value in some addition problems, but struggles when the unknown number is in certain positions (e.g., at the start).

$$3 + 5 = 8 + 2$$

$$\square + 11 = 13 + 7$$

“How do I find the missing number?”

Observations/Documentation

4. Student successfully solves for an unknown value in addition problems, but struggles when the problems involve subtraction.

$$24 + 8 = 35 - \square$$

“I can’t do subtraction.”

4 Student successfully solves for an unknown value in addition and subtraction problems regardless of its position, but struggles to explain thinking.

5 Student successfully solves for an unknown value in addition and subtraction problems regardless of its position, and explains thinking.

Observations/Documentation