Patterning and Algebra

Master 48: Activity 21 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 + 5 = **8** + 2	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). □ + 1 = 3 + 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. 4 + 8 = 15 − □ "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		