

Master 42: Activity 18 Assessment

Exploring Properties

Exploring Properties of Addition and Subtraction Behaviours/Strategies		
1. Student turns over a card, but struggles to explore properties of addition and subtraction (e.g., adding or subtracting zero, commutativity of addition) and does not know how to represent adding or subtracting zero with counters. "How do I show adding zero with counters?"	2. Student explores properties of addition and subtraction, but thinks matching expressions must have the same numbers in the same order and the same operation(s). "How can $17 - 0$ and $15 + 2$ match?"	3. Student explores properties of addition and subtraction and represents expressions with counters, but struggles to compare counters.
Observations/Documentation		
4. Student explores properties of addition and subtraction, but does not match a card with two addends to a card with three addends. "They can't match. This one has two numbers and that one has three numbers."	5. Student explores properties of addition and subtraction, but does not recognize any patterns in matching cards. "I don't see any patterns."	6. Student successfully explores properties of addition and subtraction (e.g., adding or subtracting zero, commutativity of addition) and recognizes patterns. "It doesn't matter what order you add the numbers. Adding or subtracting zero doesn't make a difference."
Observations/Documentation		