


Master 77: Activity 29 Assessment

Solving Problems 3

Conceptual Understanding of Story Problems Behaviours/Strategies			
1. Student reads story problem, but is unable to model add-to and take-from situations with concrete materials.	2. Student models and solves the problem, but cannot use symbols and equations to represent it. "The answer is 13. I don't know the number sentence."	3. Student successfully models and solves the problem and writes an addition sentence, but struggles to relate the addition problem to a subtraction problem. "29 + 13 = 42" "It's not a subtraction problem."	4. Student successfully models and solves the problem and uses symbols and equations to represent it. "29 + 13 = 42" "42 - 29 = 13" "His friend gave him 13 marbles."
Observations/Documentation			
Addition Computational Behaviours/Strategies			
1. Student models problem with counters, but struggles to coordinate number words with counting actions.  "One"	2. Student counts three times to add or subtract quantities. "1, 2, 3, ..., 41, 42" counts all "1, 2, 3, ..., 28, 29" counts to remove "1, 2, 3, ..., 12, 13" counts leftover	3. Student counts on or back with counters to add or subtract quantities. "30, 31, 32, ..., 40, 41, 42"	4. Student uses mental strategies flexibly and accurately to add or subtract quantities. "29 and 1 more is 30. 30 and 10 more is 40. 40 and 2 more is 42. 1 + 10 + 2 = 13."
Observations/Documentation			