

# Master 83: Activity 30 Assessment

## Solving Problems 3


### Conceptual Understanding of Story Problems Behaviours/Strategies

<p>1. Student reads story problem, but is unable to model add-to and take-from situations with concrete materials.</p>	<p>2. Student models and solves the problem, but cannot use symbols and equations to represent it.</p> <p>“The answer is 13. I don’t know the number sentence.”</p>	<p>3. Student successfully models and solves the problem and writes an addition sentence, but struggles to relate the addition problem to a subtraction problem.</p> <p>“<math>29 + 13 = 42</math>” “It’s not a subtraction problem.”</p>	<p>4. Student successfully models and solves the problem and uses symbols and equations to represent it.</p> <p>“<math>29 + 13 = 42</math>” “<math>42 - 29 = 13</math>” “His friend gave him 13 marbles.”</p>
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### Observations/Documentation

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### Addition Computational Behaviours/Strategies

<p>1. Student models problem with counters, but struggles to coordinate number words with counting actions.</p> 	<p>2. Student counts three times to add or subtract quantities.</p> <p>“1, 2, 3, ..., 41, 42” counts all “1, 2, 3, ..., 28, 29” counts to remove “1, 2, 3, ..., 12, 13” counts leftover</p>	<p>3. Student counts on or back with counters to add or subtract quantities.</p> <p>“30, 31, 32, ..., 40, 41, 42”</p>	<p>4. Student uses mental strategies flexibly and accurately to add or subtract quantities.</p> <p>“29 and 1 more is 30. 30 and 10 more is 40. 40 and 2 more is 42. <math>1 + 10 + 2 = 13</math>.”</p>
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