Children's Story Problem-Solving Strategies (Source: Thomas Carpenter et al.)					
Direct Modeling Strategy Counting Strategy					Derived Facts Strategy
1.	Physically constructs all sets described in the story.	1.	Begins <b>counting on</b> from the first set or larger set.	1.	Use <b>number facts</b> to solve the story problems, i.e., sum of doubles, sum to tens, etc.
2.	Represents the sets <b>following the sequence</b> of the story.	2.	Begins <b>counting down</b> to the smaller set.	2.	Readily <b>recall number</b> facts, & use number facts to recall
3.	Joins the sets together and counts all of them.	3.	Use some method, like tally marks, to <b>keep track</b> of the count and know when to stop.	3.	Understand number <b>relations</b> and use number facts to find
4.	Separates the sets apart and counts remaining set.	4.	Counts by 2's, 5's, 10's, etc.		solutions.
Distinctions					
Each quantity is explicitly represented. [DMS]					
2. Counts the solution set after done with the action. [DMS]					
3. Recognition that it is not needed to represent both sets. [CS]					
4.	4. Show a level of numbers as abstract entities. [CS]				