Figure 1.13

Strategies for Increasing the Cognitive Demand of Tasks

- Rather than providing a context, ask students to write a word problem for a given expression.
- Have students determine an expression to represent a situation.
- Require students to provide justifications for their solutions.
- Challenge students to solve problems using more than one solution method or representation.
- Have students make sense of provided solution strategies by completing the solution or justifying the steps.
- Make the task open ended so that multiple responses will satisfy the task.
- Transform a single-step problem to a multiple-step problem.
- Include the use of multiple representations in a task.