

Phase	What Students Do	What Teachers Do
Grasp the Problem	<ul style="list-style-type: none"> > Understand the problem and develop interest in solving it. > Consider what they know that might help them solve the problem. 	<ul style="list-style-type: none"> > Show several student journal reflections from the prior lesson. > Pose a problem that students do not yet know how to solve. > Interest students in the problem and in thinking about their own related knowledge.
Try to Solve	<ul style="list-style-type: none"> > Independently try to solve the problem. > Students <i>are not</i> simply following the teacher's solution example. > Classmates may provide input after some independent think time. 	<ul style="list-style-type: none"> > Circulate, using seating chart to note each student's solution approach. > Identify work to be presented and discussed at board. > If some students finish quickly or don't get started, ask individual questions to spark more thinking.
Present & Discuss	<ul style="list-style-type: none"> > Selected students present and explain solution ideas at the board, are questioned by classmates and teacher. > All students actively make sense of the presented work and draw out key mathematical points. 	<ul style="list-style-type: none"> > Strategically select and sequence student presentations of work at the board, to build the new mathematics. (Incorrect approaches may be included.) > Monitor student discussion: Are all students noticing the important mathematical ideas? > Add teacher moves (questions, turn-and-talk, votes) as needed to build important mathematics.
Summarize & Reflect	<ul style="list-style-type: none"> > Consider what they learned and share their thoughts with class, to help formulate class summary of learning. Copy summary into journal. > Write journal reflection on their own learning from the lesson. 	<ul style="list-style-type: none"> > Write on the board a brief summary of what the class learned during the lesson, using student ideas and words where possible. > Ask students to write in their journals about what they learned during the lesson.