

Using *Math Pathways & Pitfalls* With Individual Students or Small groups

Discussion is an essential part of each *Math Pathways & Pitfalls* lesson, and the prompts in the Teaching Guides support mathematical discourse, regardless of how many students are involved. When there is only one student, the discussion may occur between the instructor and the student. The guidelines in the book are designed for 45-minute class periods and standard class sizes. Use the Lesson Roadmap below for lessons with shorter periods (25–30 minutes) and with fewer students such as in pull-out, after-school, or tutoring settings.

CORE LESSON: DAY 1		GROUPING	TIME	INSTRUCTION
Opener				
<i>Discussion Builders</i> Purpose Math Words	Individual Small Group	5 min	Students review the <i>Discussion Builders</i> . A student reads the purpose. Students review each math word and example.	
Starter Problem	Individual	5 min	Students solve the problem on their own and think about possible pitfalls.	
Discussion				
Student Thinking	Individual Pairs Small Group	15 min	Using <i>Discussion Builders</i> , students discuss a fictional student's work marked OK, then a fictional student's work marked Pitfall (or Oops!).	
Things to Remember Reflection	Individual Small Group	5min	Students generate and write Things to Remember, then reflect on the learning process.	
CORE LESSON: DAY 2				
Review and Practice				
Review Day 1 Lesson	Individual Small Group	5 min	Students briefly review the lesson and Things to Remember discussed the previous day.	
Our Turn	Individual Pairs Small Group	10 min	Students work on their own (if only one student) or with a neighbor to solve each problem. Then they explain their solutions to their instructor or small group.	
My Turn	Individual	10 min	Students solve the problems on their own.	
MINI LESSONS: 2–3 DAYS LATER				
Assess and Reinforce				
Multiple Choice Mini Lesson	Individual Pairs Small Group	10 min	Students evaluate choices and justify solutions.	
Writing Task Mini Lesson (Units 2–7 only)	Individual Small Group	15 min	Students learn to write an explanation that is complete, comprehensive, and correct.	