

Math 633 Activity Analysis

Activity Stages (in groups of 4)

- Think about the problem individually
- Pair up to check understanding and share thinking
- Share results with entire group, discuss differences in solution of problem

As you work through the stages of an activity or problem, do not rely on prior conceptual knowledge to answer the questions. Walk in the shoes of a high school student. If a member of your group is having difficulty with a concept, think about how you could guide them without just telling them how to do it. Be the teacher in this case: what questions could you ask that would help lead to the solution.

Activity Analysis:

- Reflect on your experience with the activity in class.
- Where would this activity fit into your curriculum?
- What adaptations/changes would you make to the activity?
- Possible responses from high school students at different stages of activity
- Misconceptions high school students may have at different stages
- Will the students find it interesting? If not, can we adjust it?
- What pitfalls in the activity should you watch out for?
- What kinds of warnings for the possible dangers should you announce to the students before the activity? Are there any safety issues?
- What extensions could be made?
- How would you adapt the activity to different learning levels without watering down the activity?
- What homework questions could you ask?