

Lesson Study Reflection #2

This time I felt like time flew by. We changed the lesson a bit. We still had the task cards where the students had to talk to their group members to figure out the missing piece of information. Instead of having to write the equation, we had them match the information they had and what they found to a set of equations given. We gave them slope intercept form and standard form instead of having the students struggle to write it. They seemed to be able to do this easily. However, when they had to solve the system, a lot of them struggled. From the two equations we gave them, they plugged the slope intercept from equation into the standard form equation for the same racer card. Thus, they were no longer solving for either x or y . None of the students understood how to do elimination, so they all used substitution, which was fine. However, since they struggled with understanding how to solve a system of equations, I had to tell them directly what to do. Most of the students I talked to didn't know what to do with the two equations.

We changed one of the worksheets for the students. For the intersection points, we gave them a half sheet of paper with a grid on it. The top row had all of the different racer colors. The column on the left had just one racer color. There was an "X" in the box where the same racer color lined up with itself. For example, for the box for the red row and red column, there was an "X." This way, the student didn't try to find the intersection for their own racer. However, many of them did just that though.

After this time, we all came to the conclusion that this needs to be a two-day task. The first day would be them setting up the equations and starting to solve it. The second day would

be them solving the system and then a discussion. We never had a chance to do the discussion in either day. With the two-day set up, we wouldn't come visit and observe the lesson until the second day. This way we get to see what we're looking for and give the students more time instead of rushing. That way the discussion ticket and the discussion would give us exactly what we were looking for.

I think it went better this time than when we did it with my class. I felt like there were more behavior issues I had to address than what arose in Asia's class. They were on task for the most part. There were only a few students who were on their phones. Most of the stress on our end came from not having enough time for the students to finish the activity. Another day would have really benefited us and the students. They would have a better understanding of how to tell if their answer makes sense to the context of the problem.