P. Cipriani Grade 12 Verification Study Clip 21:00 to 27:35

21:00 Mike: not visible

Romina: is checking Jeff’s paths and notices that Jeff repeated one of the paths **checking answer**

Romina also suggests how to proceed with the problem **change this to communication improvement**

Jeff: suggests that Romina use the transparencies to clarify how to proceed with the problem. **Change this to collaboration**

Brian: Comments in the beginning that he didn’t remember if he did that path and is not visible. **Collaboration**

21:40 Mike: is silently working by himself on the paths **Working individually**

Romina: is using the transparency to write 2, 3, 4, in the first row of the grid and a three directly below it and wants Jeff to do the paths too.**change to collaboration**

Jeff: suggests that they find how many paths there are before trying to fill out the grid that Romina started. **change to collaboration**

Brian: is silently working by himself on the paths **Working individually**

22:40Mike: not visible or audible

Romina: is watching Jeff’s work and agreed that there are no more paths that go down for with the two by two grids **Checking answer**

Jeff: is showing Romina with two by two grids the paths you can take by going down and then asks her if there are any more **change to clarify the problem**

Brian: not visible or audible

23:40 Mike: not visible or audible

Romina: is looking at Jeff’s paper of the paths that you can take by going across. **Checking answer.**

Jeff: is showing Romina with two by two grids the paths you can take by going across. **Change to communication improvement**

Brian: not visible or audible

24:15 Mike: not visible or audible

Romina: is looking at Jeff’s paper of the paths in 3 by 2 grids asking if he is doing these paths in couples and then stands up and leaves camera range **change to clarifying the problem**

Jeff: is showing Romina paths with three by two grids. **Change to communication improvement**

Brian: is silently working by himself. **Working individually**

25:20 Mike: not visible or audible

Romina: comes back into camera view and is looking at Jeff’s paper of the paths in 3 by 2 grids and agreeing with Jeff that those are proper paths. **Checking Answer**

Jeff: is showing Romina paths with three by two grids. **Change to communication improvement**

Brian: not visible or audible

26:30 Mike: not visible or audible

Romina: is heard building off Jeff’s explanation that a path cannot be odd **Communication Improvement**

Jeff: is heard explaining to Romina which paths have couples and how every other one would be odd. **Change to communication improvment**

Brian: is silently working by himself counting paths. **Working individually**

27:00 Mike: not visible or audible

Romina: begins writing on the grid paper the number of paths and says to Jeff while pointing to the box that this should also be 9. **Communication improvement**

Jeff: confirms her answer by saying “exactly because that is the same as that” **Change to communication improvement**

Brian: is working silently by himself counting paths. **Working individually**