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 giving a **presentation; informal**

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

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 work on the problem

Jeff: is working with Romina

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 **Presentation; informal**

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. **Presentation; informal**

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 **Checking answer**

Jeff: is showing Romina paths with three by two grids. **Presentation; informal**

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. **Presentation; informal**

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. **Presentation; informal**

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” **Checking Answer**

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