

You and a coworker at the local community center where you work are assigned the job of mopping the floor every night at the end of your shift. Your coworker suggests that you mop the stage, multipurpose room, and meeting room and she will mop all the other rooms. The dimensions of each room can be found in the table below. Is this a fair way to split the work? If not, can you suggest a fairer split? Use math to justify your decision.

Be prepared to explain your work. Did you use any diagrams to understand the problem? Was there something else that you did that helped? What did you try that wasn't as useful? What were your "a-ha" moments? If you used multiplication, which type or types of multiplication situations were happening? How did you recognize the type or types? If you used a calculator or some other tool, when did you use it and how?

Game Room	2 yards	4 yards
Conference Room	3.3 yards	4 yards
Stage	5.6 yards	5.3 yards
Computer Lab	2 yards	5.3 yards
Kitchen	2.6 yards	4.3 yards
Men's Room I	2.6 yards	2 yards
Women's Room I	2.6 yards	2 yards
Multipurpose Room	9 yards	8.6 yards
Hallway	12 yards	1.3 yards
Office I	2.6 yards	2 yards
Office II	2.6 yards	2 yards
Office III	2.6 yards	2 yards
Meeting Room	6 yards	6.3 yards
Coat Room	1.3 yards	2.6 yards
Women's Room II	1.3 yards	2.6 yards
Men's Room II	1.3 yards	2.6 yards

