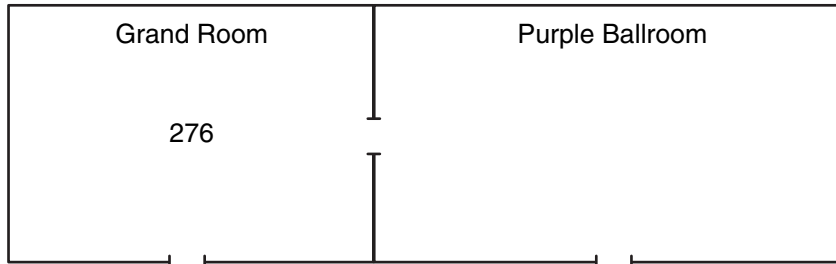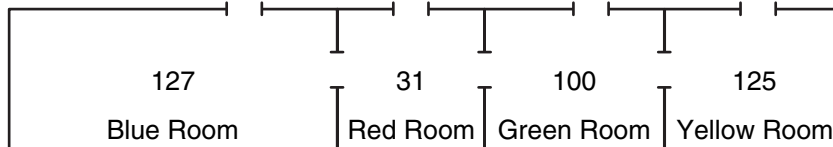# Chairs for the Teachers

Math teachers from many schools held a meeting at the Hotel Grand. In preparation, the planning committee placed chairs in the rooms according to the floor plan.

Reasoning

Floor Plan for Hotel Grand

Grand Room	Purple Ballroom
276	

Meeting Rooms

127	31	100	125
Blue Room	Red Room	Green Room	Yellow Room

1. Which room could hold 100 teachers from Clinton School, 20 students from Rogers School, and 7 principals?

_____

2. Which room was used for 77 third-grade teachers from Boone School, 2 student teachers, and 21 second-grade teachers from St. Paul School?

_____

3. When all of the sixth-grade teachers met, 2 doors had to be opened between rooms so that 3 rooms could be connected. Which meeting room arrangement held the most teachers?

_____

4. When all the meeting rooms were filled, only 3 rooms of people would fit into the chairs already in the Grand Room. Which 3 rooms of people fit?

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