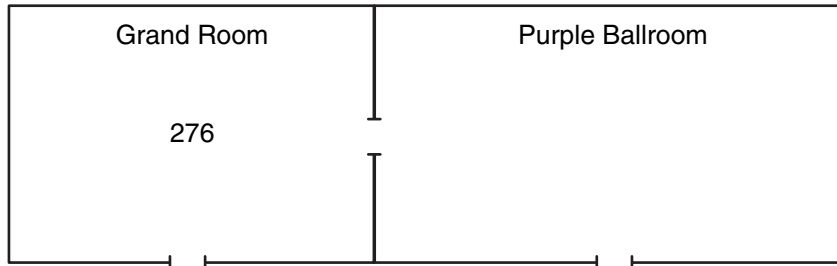


Chairs for the Teachers

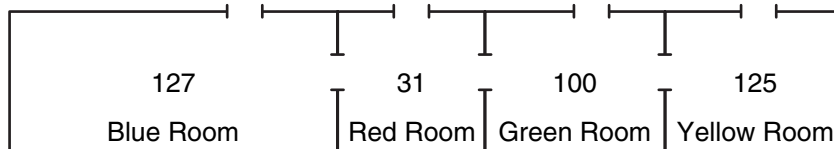
Math teachers from many schools held a meeting at the Hotel Grand. In preparation, the planning committee placed chairs in the rooms according to the floor plan.

Reasoning

Floor Plan for Hotel Grand



Meeting Rooms



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

Blue Room

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?

Green Room

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?

Blue, Red, and Green rooms

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?

Blue, Red, and Green rooms; or Red, Green, and Yellow rooms