

Math Lesson

Lesson Title: Compare Floor Plans Grade: Second Grade
Content Standard: Compare two three-digit numbers based on meanings of the hundreds, tens and ones digits, using greater than, less than and equal to symbols to record the result of the comparisons.
Materials: model floor plan, a bag of base ten blocks for each child, with partners' being different colors; one partner receives 4 hundreds and 7 tens. The other receives 3 hundreds and 13 tens. A privacy wall for each pair, plain paper, 5 Step Paper
Shared Experience and procedure details: Teacher will introduce task "I am looking for a new place to live. I am looking for two floor plans that are made with the same number of blocks, so I can choose one. They don't have to look the same. You and your partner will each make a plan. Have student model what they think the directions are, guided by teacher and discussion. Given three to five minutes, children will build with privacy wall between, then compare, then talk about whether they are equal or what the comparison is, then talk about how to adjust to make them equal.. Partners choose one plan and both build it. Possible issues: must be flat, must be equal, what is a floor plan Possible questions: What would you do if you were making a floor plan. What do you notice when you are sorting? Could you do the same thing as your partner with the blocks you have? Explain how you know that these are/are not equal.
Possible Picture: Student will most likely draw one or both plans, may use number labels or equations to explain.
Possible People Talk: same, alike, describe how they built and counted, separate, you can put them on top of each other to count
Feature Talk: phrases we heard during sharing: :we just had to change our place value (305/350), (Teacher: What if you write that difference,?) Ask questions that get at expressions of $<$, $>$, $=$
Possible Symbolic Representation: invented or using conventional symbols
Written By: Cindy Colvin, Frankie Munday, Lee McEwan, Chris Queen, Dawn Williams Date: 6/27/17