

Math Lesson

Lesson Title: Making Rectangles
Grade: 2
Content Standards: 2.G.2 Partition a rectangle into rows and columns of same-size squares & count to find the total number of them. 2.OA.4 Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends.
Materials: 12 square tiles in a baggie (or other container); recording form
Shared Experience and procedures details: • Students work with a partner • Students are given 12 square tiles • Teacher presents the problem "How many different rectangles can you make using your 12 squares?" • Students record each rectangle they make (draw a picture) <i>Questions to ask: What strategies did you use? Why?; What is the difference between row & column (if they know those terms); Did you notice any patterns?</i>
Picture: Draw pictures of the arrays that they made (1 or more)
People Talk: across, down, move, slide, turn, tiles, square, rectangle, pattern, row, column
Feature Talk: rows, columns, total, move, pattern, add
Symbolic Representation: $3+3+3+3=12$; $4+4+4=12$; $6+6=12$
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*Adaptations: