



Amara's Tiles (SOL # 3.4a)

(Adapted from Classroom-Ready Rich Math Tasks Gr. 2-3)

Part 1: Amara has 24 1×1 -foot square tiles and wants to tile her rectangular bathroom. What are the possible dimensions of her bathroom? How do you know?

Part 2 (present *after* students complete Part 1): Amara wants to use two different colored tiles in her bathroom. Her bathroom floor will have (*one color*) tiles on the left and (*another color*) tiles on the right. Rearrange your 24 tiles to show a model of these two colors as the bathroom floor. How can you represent the number of tiles (with the different colors) in an equation that represents the different colors of the tiles on the bathroom floor?