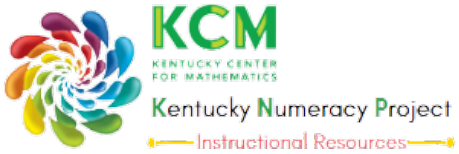
Lesson Plan for KNP Activity
M 4448.2: Tiling Rows

Teacher Planning Notes:	
Task Group Number: 4448	**Task Group Name:** Tiling Rectangles
Strand: Multiplication and Division	**Activity Level and Color:** 2 Blue
KNP Activity Link with access to Printables and Student Instructions: /knp/activity.php?id=4448.2&prefix=M	
Numeracy Target: Count equal groups using stress or skip counting Numeracy Targets Chart	
Fluency Benchmark: KY.3.OA.7 Fluently multiply and divide within 100.	
Kentucky Academic Standard(s): KY.2.OA.4, KY.3.MD.5	
Student-Friendly Learning Target: I am learning to find the total number of squares on a rectangle, when only one row of tiles and marks for the remaining rows and columns are visible.	
Suggested Student Grouping(s): individual/partners/small group	
Materials: Rectangle Cards; Six 1 inch square tiles of one color	
Activity Description: Print and cut apart rectangles available through print link. Be sure to print the pages at "actual size" so that a 1 inch tile fits exactly in the gridlines. During play, the student will choose a rectangle at random. The student will lay 1 inch tiles onto the row with outlined squares. Imagining the remaining rows, the player will determine the total number of squares needed to cover the entire rectangle. The student will write the matching repeated addition sentence.	
Teacher Notes: During discussion, observe if students are attending to the array structure of the tiles. Bring out vocabulary such as "row", "equal rows", "array", "area" and "covering". If targeting standard KY 2.OA.4, limit size of rectangles to 5 by 5.	
Evidence of Learning (Diagnostic Assessment of Progress): Place a 4 by 5 rectangle with gridlines for the top row only in front of student. Place tiles in the top row. Ask student to imagine the remaining rows, determine the total number of tiles and write a matching addition sentence.	

KNP ID #M 4448.2



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