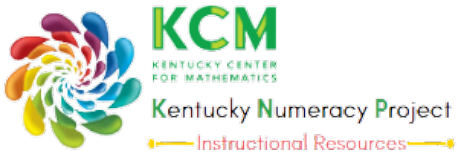
Lesson Plan for KNP Activity
M 4448.3: Tiling - Empty Area

Teacher Planning Notes:	
Task Group Number: 4448	**Task Group Name:** Tiling Rectangles
Strand: Multiplication and Division	**Activity Level and Color:** 3 Green
KNP Activity Link with access to Printables and Student Instructions: /knp/activity.php?id=4448.3&prefix=M	
Numeracy Target: Count items arranged in equal groups with only group markers visible (items with groups are not visible) Numeracy Targets Chart	
Fluency Benchmark: KY.3.OA.7 Fluently multiply and divide within 100.	
Kentucky Academic Standard(s): KY.3.MD.5, KY.3.MD.7, KY.3.OA.7	
Student-Friendly Learning Target: I am learning to find the number of square tiles needed to cover a rectangle when only small edge marks are visible.	
Suggested Student Grouping(s): individual/partners	
Materials: Rectangle Cards; 1 Color Tile Piece; Dry-Erase Marker	
Activity Description: The student will choose a rectangle at random and determine the number of tiles it would take to cover the rectangle without gaps or overlaps. The student should then place the rectangle in a sheet protector and draw in the rectangles using a dry erase marker. The student will write the corresponding multiplication sentence. Be sure to print documents at "actual size" so that a 1 inch tile fits exactly in the gridlines.	
Teacher Notes:	
Evidence of Learning (Diagnostic Assessment of Progress): Place a 3 by 7 rectangle with edge marks only to indicate rows and columns. Show student how a 1 inch square tile will fit within marks. Ask student to determine the total number of tiles needed to cover the rectangle. Ask student to draw in the squares and write a matching multiplication sentence.	



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