

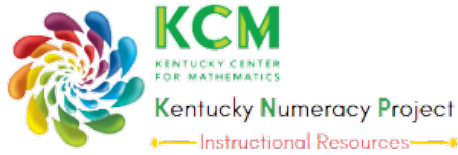
Lesson Plan for KNP Activity

M 4448.4: Tiling with Number

Teacher Planning Notes:	
Task Group Number: 4448	Task Group Name: Tiling Rectangles
Strand: Multiplication and Division	Activity Level and Color: 4 Purple
KNP Activity Link with access to Printables and Student Instructions: /knp/activity.php?id=4448.4&prefix=M	
Numeracy Target: Multiply and divide within 100 using counting strategies Numeracy Targets Chart	
Fluency Benchmark: KY.3.OA.7 Fluently multiply and divide within 100.	
Kentucky Academic Standard(s): KY.3.MD.7 , KY.3.OA.5 , KY.3.OA.7	
Student-Friendly Learning Target: I am learning to combine two rectangles to make a larger rectangle and find the total tiles needed to cover each part and the larger rectangle.	
Suggested Student Grouping(s): partners	
Materials: Rectangle Cards, 1 recording sheet per player	
Activity Description: Shuffle rectangles and create a face down pile. On a player's turn, the player will draw 1 rectangle and lay it face down in front of him or her. If possible, the player will pair exactly two of his/her rectangles to make a larger rectangle and record the information on a recording sheet. If no larger rectangle can be made, the player must pass. Play ends when all rectangles have been drawn. The player who has created the most larger rectangles wins the game.	
Teacher Notes: This activity is meant to support students in developing an understanding of the distributive property and relationships between addition and multiplication. Through discussion, bring out the idea that the areas of the smaller rectangles are added together to find the whole. If students are struggling to "see" the number of tiles needed to cover an individual rectangle, either move to a lower level activity in this task group or use the printable files from a lower level.	

Evidence of Learning (Diagnostic Assessment of Progress): Ask student to find two rectangles that can be paired to make a larger rectangle. Ask student to determine the area of the larger rectangle and explain how that relates to the area of the smaller rectangles.

KNP ID #M 4448.4



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