

Lesson Plan for KNP Activity

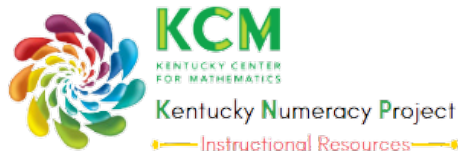
M 4443.2: Unscreened Arrays PowerPoint

Teacher Planning Notes:	
Task Group Number: 4443	Task Group Name: Multiplication and Arrays PowerPoint
Strand: Multiplication and Division	Activity Level and Color: 2 Blue
KNP Activity Link with access to Printables and Student Instructions: /knp/activity.php?id=4443.2&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	
Student-Friendly Learning Target: I am learning to determine how many items in all when items are arranged in an array or in equal groups. I am also learning to write an addition sentence to match the picture.	
Suggested Student Grouping(s): whole class	
Materials: M4443.2 PowerPoint	
Activity Description: Facilitate student discussion about images in the M4443.2 Power Point. Images are of items and dots arranged in arrays. Engage students in talking about the structure of the image, paying particular attention to the structure and the idea of equal groups. Ask students about the total number of items/dots. For many of the images, a skip counting sequence can be shown. Ask students to write a corresponding addition sentence. Extend to asking students to write a second corresponding addition sentence.	

Teacher Notes: Notice if students are using the group structure when counting. Evidence that students are doing so would include using skip counting or counting by ones with a stress or pause for each row/column. Students who are doing this kind of counting may be ready for the next level of this task group. More advanced students may anchor to known facts including doubles. Other activities that target skip counting sequences would be a good warm-up or complement to this activity.

Evidence of Learning (Diagnostic Assessment of Progress): Lay out a 5 by 4 array (using either a picture or loose counters). Ask student "How many dots/counters?" Observe if student is attending to groups while counting.

KNP ID #M 4443.2



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