

Lesson Plan for KNP Activity

M 4443.1: Introduction to Arrays PowerPoint

Teacher Planning Notes:

Task Group Number: 4443

Task Group Name: Multiplication and Arrays PowerPoint

Strand: Multiplication and Division

Activity Level and Color: 1 Red

KNP Activity Link with access to Printables and Student Instructions:

</knp/activity.php?id=4443.1&prefix=M>

Numeracy Target: Build and share items into equal groups

[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 describe quantities arranged in equal groups or arrays.

Suggested Student Grouping(s): whole class

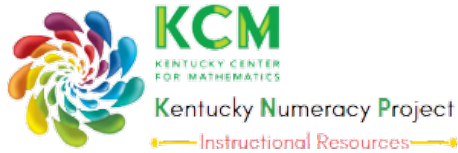
Materials: M 4443.1 Powerpoint

Activity Description: Facilitate student discussion about images in the M4443.1 Power Point. Images include items and dots arranged in arrays. Engage students in talking about the structure of the image, paying particular attention to the groups and the idea of equal groups, equal rows and equal columns. The goal is for student to attend to and be able to describe the structure of the image, using appropriate language. At this point, do not ask students to think about the total number of dots as this will likely distract students from the primary goal.

Teacher Notes: Pay close attention to students' language, both during instruction and during assessment. When asked about the number or size of groups, many students will mix up the answers, e.g., giving the size when asked about the number of groups. Similarly, many students will confuse "row" with "column" when describing arrays.

Evidence of Learning (Diagnostic Assessment of Progress): Set out 15 counters arranged in 5 groups of 3. Say "Tell me about these counters. How are they arranged?" If needed, prompt "How many groups are there?" and "What do you notice about the groups?" Place 20 counters in a 5 x 4 array. Ask student to describe the array.

KNP ID #M 4443.1



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