

Lesson Plan for KNP Activity

M 4435.3: Quick Images

Teacher Planning Notes:

Task Group Number: 4435

Task Group Name: Quick Images

Strand: Multiplication and Division

Activity Level and Color: 3 Green

KNP Activity Link with access to Printables and Student Instructions:

</knp/activity.php?id=4435.3&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.OA.1](#)

Student-Friendly Learning Target: I am learning to find the product with only group markers visible and write the matching multiplication equation.

Suggested Student Grouping(s): various

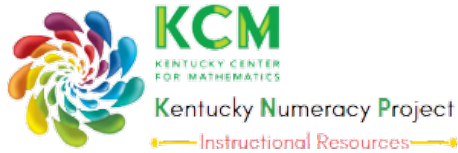
Materials: Multiplication images with screens PowerPoint, writing surface

Activity Description: The teacher or another student will flash the PowerPoint quick image for approximately 3 seconds, then display the image with the groupings screened. Students will determine how many dots or items in all. If using printed images, briefly show the image and then place the screened version on top of the unscreened version. Students should record a matching multiplication equation.

Teacher Notes: By screening the groups, students will be able to see the group markers but will not be able to count individual items within the group. If necessary, reflash the image with the individual items visible. If student does not appear to need the group markers, the student is likely ready for more advanced tasks. Use open ended questions to engage students in Number Talk.

Evidence of Learning (Diagnostic Assessment of Progress): Flash a quick image for 3 seconds then, using small cards, screen each group. Ask student "What did you see?" Prompt student further so that student states the number of groups, the number of items in each group and the number of items in all. Prompt student to write a matching multiplication equation.

KNP ID #M 4435.3



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