

# Lesson Plan for KNP Activity

## M 4435.4: Quick Images

### Teacher Planning Notes:

**Task Group Number:** 4435

**Task Group Name:** Quick Images

**Strand:** Multiplication and Division

**Activity Level and Color:** 4 Purple

**KNP Activity Link with access to Printables and Student Instructions:**

</knp/activity.php?id=4435.4&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.OA.1](#)

**Student-Friendly Learning Target:** I am learning to find the product when all items are screened and write the matching multiplication equation.

**Suggested Student Grouping(s):** various

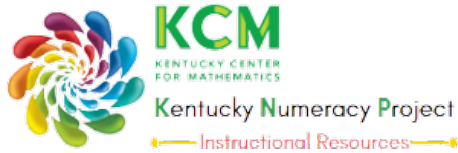
**Materials:** Multiplicative quick images PowerPoint, writing surface

**Activity Description:** The teacher or another student will flash the PowerPoint quick image for approximately 3 seconds, then show only a white screen. Students will determine how many dots or items in all. If using printed images, briefly show the image and then screen it. Students should record a matching multiplication equation.

**Teacher Notes:** If necessary, reflash the image. Use open-ended questions to engage students in Number Talk. At this point students should start to use known skip counting sequences (i.e. by 2s, 3s, 4s, or 5s) to count items and/ or use known facts. Students may also be thinking about the distributive, commutative and/or the associative properties of multiplication. The powerpoint for activity 435.3 may be used but the screening slides should be shown briefly or omitted.

**Evidence of Learning (Diagnostic Assessment of Progress):** Flash a quick image for 3 seconds then screen. 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 4435.4**



[www.kymath.org](http://www.kymath.org)  
[kcm@nku.edu](mailto:kcm@nku.edu)