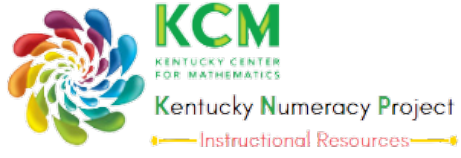


# Lesson Plan for KNP Activity

## M 4435.5: Quick Images

<b>Teacher Planning Notes:</b>	
<b>Task Group Number:</b> 4435	<b>Task Group Name:</b> Quick Images
<b>Strand:</b> Multiplication and Division	<b>Activity Level and Color:</b> 5 Pink
<b>KNP Activity Link with access to Printables and Student Instructions:</b> <a href="/knp/activity.php?id=4435.5&amp;prefix=M">/knp/activity.php?id=4435.5&amp;prefix=M</a>	
<b>Numeracy Target:</b> Multiply and divide within 100 using a range of strategies <a href="#">Numeracy Targets Chart</a>	
<b>Fluency Benchmark:</b> KY.3.OA.7 Fluently multiply and divide within 100.	
<b>Kentucky Academic Standard(s):</b> <a href="#">KY.3.OA.4</a>	
<b>Student-Friendly Learning Target:</b> I am learning to find the product and/or quotient.	
<b>Suggested Student Grouping(s):</b> Various	
<b>Materials:</b> Multiplicative quick images, writing surface	
<b>Activity Description:</b> One student or the teacher will describe a quick image in words and then ask a question. The other student(s) will answer the question. For example, suppose the picture shows 5 stacks of 3 books. The student might say "There are 5 stacks of 3 books - how many books in all?" or "There are 5 equal stacks and 15 books in all - how many books are in each stack?" The picture can then be shown for students to check their reasoning.	
<b>Teacher Notes:</b> Note carefully how students are solving the tasks. Are students counting by ones, skip counting or using known multiplication facts. Students may be asked to record the equations that match the question and the solution. For example, a student looking at a picture with 5 stacks of 3 books might write $5 * n = 15$ . The other student(s) would solve to find $n=3$ .	
<b>Evidence of Learning (Diagnostic Assessment of Progress):</b> Choose a quick image with 3 spiders but do not show to student. Say "I see spiders. Each spider has 8 legs. There are 24 legs altogether. How many spiders are there?" Repeat with other images and similar questions.	



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