

Lesson Plan for KNP Activity

M 4435.6: Quick Images

Teacher Planning Notes:

Task Group Number: 4435

Task Group Name: Quick Images

Strand: Multiplication and Division

Activity Level and Color: 6 Orange

KNP Activity Link with access to Printables and Student Instructions:

</knp/activity.php?id=4435.6&prefix=M>

Numeracy Target: Extend and refine strategies for multiplication and division

[Numeracy Targets Chart](#)

Fluency Benchmark: KY.3.OA.7 Fluently multiply and divide within 100.

Kentucky Academic Standard(s): [KY.3.OA.4](#)

Student-Friendly Learning Target: I am learning to find the products and/or quotients of a string of related problems.

Suggested Student Grouping(s): Various

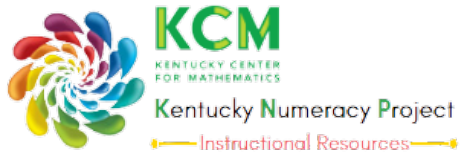
Materials: Multiplication/Division Strings

Activity Description: The teacher will present a series of related problems, one at a time. The student(s) will answer and justify the answer to each problem in succession. The teacher will invite discussion of each problem and relationships between the problems to explore mathematical ideas.

Teacher Notes: See the print link for more information about using problem strings and examples. Listen carefully to the students as they justify their answers. Are they using known or related facts? Are they using properties of multiplication and division? Are they counting? Do students see connections and use the earlier problems in the string to think about later problems in the string?

Evidence of Learning (Diagnostic Assessment of Progress): Present a problem string. Prompt student to explain thinking for each solution. Prompt student to look for patterns or ways to use previous problems to solve subsequent problems.

KNP ID #M 4435.6



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