

Lesson Plan for KNP Activity

A 3305.6: How Many?

Teacher Planning Notes:

Task Group Number: 3305

Task Group Name: How Many?

Strand: Addition and Subtraction

Activity Level and Color: 6 Orange

KNP Activity Link with access to Printables and Student Instructions:

</knp/activity.php?id=3305.6&prefix=A>

Numeracy Target: Extending and refining strategies for +/-
[Numeracy Targets Chart](#)

Fluency Benchmark: KY.2.OA.2 Fluently add and subtract within 20.

Kentucky Academic Standard(s): [KY.1.OA.4](#), [KY.1.OA.6](#), [KY.1.OA.8](#)

Student-Friendly Learning Target: I am learning to use mental math to solve equations with missing values.

Suggested Student Grouping(s): small group, partners, or independent work

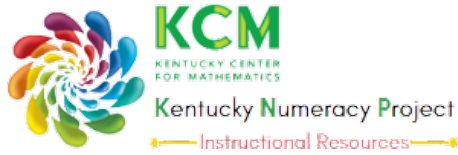
Materials: equation cards, recording sheet, bead rack (optional)

Activity Description: Students will draw an equation card, solve for the missing quantity, record on their recording sheet, and explain their thinking. Students can use a bead rack for support or to check their answer.

Teacher Notes: In this activity, students will solve equations with missing values in all positions. Many types of equations are represented in this activity. Students should have a variety of strategies to use to efficiently solve equations. Rather than telling students how to get an answer or having them use key words, which can be unreliable and limit thinking, students should be thinking about the underlying structure of the quantities in the problem/situation. Take note of the types of strategies students use. Are students able to use multiple strategies, based on what makes sense to them? As you encourage students to use their own strategies, also urge them to think about which strategies are the most efficient, based on the numbers involved.

Evidence of Learning (Diagnostic Assessment of Progress): Show student an equation card from activity or similar type of problem written on a white board or card and ask student to solve. Ask student to explain their strategy.

KNP ID #A 3305.6



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