Lesson Plan for KNP Activity
A 3340.3: Panel Dot Cards (dots screened)
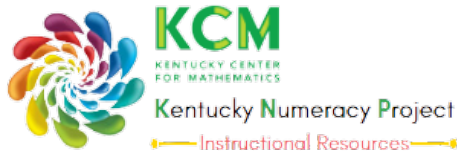
Teacher Planning Notes:

Task Group Number: 3340	**Task Group Name:** Panel Dot Cards
Strand: Addition and Subtraction	**Activity Level and Color:** 3 Green

KNP Activity Link with access to Printables and Student Instructions:
/knp/activity.php?id=3340.3&prefix=A

Numeracy Target: Add by counting on; subtract by counting back
Numeracy Targets Chart

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

Kentucky Academic Standard(s): [KY.1.OA.5](KY.1.OA.5)

Student-Friendly Learning Target: I am learning to tell the total within 20 by counting on.

Suggested Student Grouping(s): individual or small group

Materials:
Two panel dot cards - level 3

Activity Description:
Choose a 2 panel dot card. Open the door on the left, determine the number of black dots and then close the door. Open briefly (approximately 1 second) the door on the right and determine how many grey dots are under the door. Determine the number of dots altogether.

Teacher Notes:
Use the print link to print the two panel dot cards. Fold the card in half lengthwise at the dotted line. Cut a slit in the top panel to create doors. Students may additionally be asked to write the corresponding equation. The total or the corresponding equation may be written on the back for students to use as a check. If a teacher is presenting the task, the teacher may say "There are ___ black dots under here, there are ___ grey dots under here... how many dots altogether?" while briefly flashing the dots behind the doors. Initially students will likely start the count from one and/or build quantities on their fingers. Students will let go of this redundant behavior naturally as they develop a deeper understanding of quantity and addition. By using large first addends, this behavior is discouraged. Encourage students to explain their strategies. Observe if students are relying on a visible aid such as a number line, 100 chart or calendar. If so, remove or cover the aid.

Evidence of Learning (Diagnostic Assessment of Progress):
Put out a card with 17 dots on the left and 5 dots (arranged irregularly) on the right. Flash the dots under the left door saying "Here are 17 black dots". Flash the dots under the right door saying "Here are 5 grey dots. How many dots are there altogether?" Ask student to explain strategy. Repeat with other two panel dot cards.

KNP ID #A 3340.3