KNP ID # M 4449.4, Purple Fluency Benchmark: KY.3.OA.7

**Task Group: Bead Arrays** 

Kentucky Academic Standard(s): KY.3.0A.3, KY.3.0A.5, KY.3.0A.7

Numeracy Target: Multiply and divide within 100 using counting strategies

## **Bead Arrays (Finding factors)**

## I am learning to create arrays with a given number of beads.

## **Materials:**

100 beadrack (10 rows of 10) per player, number cards within 100, writing space or 1 recording sheet per person

## **Directions:**

- 1. On your turn:
  - a. Draw a number card
  - b. Build arrays on a bead rack using that many beads, recording each array. (For example, for the number 20, a player could have 4 arrays: 2x10, 4x5, 5x4 and 10x2)
  - c. The player who makes the most arrays with his or her number earns a point.
- 2. The first player to earn 4 points wins.

\*Limit to numerals with at least one array that will fit on a 10 x 10 bead rack.



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