

# Lesson Plan for KNP Activity

## S 2295.4: Quick Images

### Teacher Planning Notes:

**Task Group Number:** 2295

**Task Group Name:** Quick Images

**Strand:** Structuring

**Activity Level and Color:** 4 Purple

### KNP Activity Link with access to Printables and Student Instructions:

</knp/activity.php?id=2295.4&prefix=S>

**Numeracy Target:** Intermediate structures to 20

[Numeracy Targets Chart](#)

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

**Kentucky Academic Standard(s):** [KY.1.OA.6](#)

**Student-Friendly Learning Target:** I am learning to recognize quantities 11 to 20 shown in either a ten-wise or pair-wise structure.

**Suggested Student Grouping(s):** various

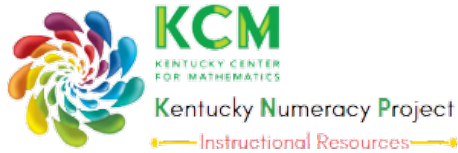
**Materials:** double 10 frame or twenty frame cards showing up to 20 dots in a pair-wise or ten-wise arrangement or a double bead rack

**Activity Description:** Flashed images: Flash a frame card. Ask student to say (or write) the number of dots. If desired, ask about the number of dots on each row. Alternatively, quantities may be shown on a bead rack with two rows of 10. Flash quantities shown with 10 on the top or with equal amounts on both rows. If needed, flash card again.

**Teacher Notes:** The interactive website link is to the Dreambox teacher tools. There you can use the "Quick images" lessons "Ten frame from 11 to 20"; "One-Wire Mathrack from 4 to 10"; "Two-Wire Mathrack from 11 to 20" and "Two-Wire Mathrack from 4 to 20 (displayed as doubles)" to show a variety of 10+ and pair-wise images using a projector. Also, the website hosted by the Freudenthal Institute (see the interactive website link for S 294.2) has a beadrack to 20 activity that children can play. To use a virtual beadrack where the user determines the amount shown, use the interactive website link for activity S 295.5.

**Evidence of Learning (Diagnostic Assessment of Progress):** Use a double bead rack, flash 14 (shown as 7 & 7). Ask student "What do you see?" If needed, prompt student to state the total and the amounts on each row. Similarly, show 16 (shown as 10 & 6) and show 18 (shown as 9 & 9). Continue with other amounts.

**KNP ID #S 2295.4**



[www.kymath.org](http://www.kymath.org)  
[kcm@nku.edu](mailto:kcm@nku.edu)