

PARCC PRIMER

Instructions for Mathematics Activity Station Leader Activity: How Close to 100?

The PARCC Primer Mathematics Activity Station can be tailored to any grade level and math activity that is aligned to the Illinois Learning Standards. The standards in math include fluency as a goal. Fluency comes when students develop number sense, when they are mathematically confident because they have a deep understanding of numerical principles. The “How Close to 100?” activity helps develop number sense.

“How Close to 100?” is from youcubed.org and be found at <http://youcubed.org/teachers/wp-content/uploads/2014/10/AppendixA.pdf>.

The activity instructions and recording sheet are included.

You will need:

- Copies of the “How Close to 100?” activity page (included)
- Copies of the “How Close to 100?” recording sheet (included)
- Dice (Participants work in pairs. Have enough dice to accommodate the size of your group.)
- Pencils or colored markers
- Tables or desks

Provide participants with a “How Close to 100?” two-page activity, and pencils or markers, as they arrive. Encourage participants to follow along as you read the instructions:

1. Find a partner and sit at a desk or table.
2. Each pair will need dice and a pencil or marker.
3. Look at the example of the grid, array and number sentence on Page 1 of the activity.
4. The goal is to fill the grid! You may put the array anywhere on the grid. The game ends when both players have rolled the dice and cannot put any more arrays on the grid or have rolled 10 times. See how close to 100 you can get!” Let’s play!
5. One partner rolls the dice first. The numbers that come up are the numbers you will use to make an array, or color the number of squares on the 100 grid, which is the second page of the activity. Once your array is on the grid, write the number sentence that describes it.
6. Now, it is the second players turn to roll the dice, draw the array and write their number sentence.
7. Give the group about 10 minutes to do the activity. Once that time is up, ask, “How many of you got close to 100? Show your grids and let’s see whose is fullest.”