

## Numbers to Ten on the Math Rack

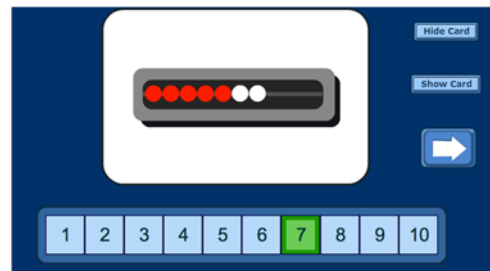
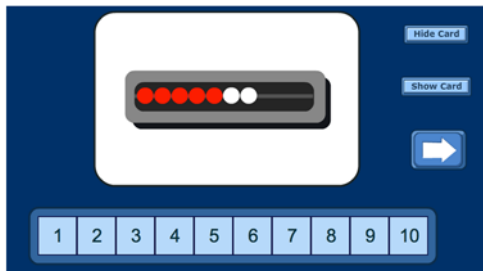
The interactive white board tool for this lesson can be found on our website under Resources and Teacher Tools. ([www.dreambox.com/teachertools](http://www.dreambox.com/teachertools))

In this DreamBox Learning lesson, students will use one wire on the MathRack to support the use of five, tens as anchors for supporting automaticity of basic math facts.

### Sample Lesson

**Objective:** Students use multiple strategies to identify the number of beads on a math rack. This lesson is about mathematical structure and using it to explain their strategies.

**Instruction:**



1. Call on a student to come to the board and click on the “Show Card” button. Once the card is showing, ask students “How many beads do you see on the math rack? Turn to your partner and tell them what you see.” The card should remain visible through step 2. The student returns to his seat.
2. After students discuss what they see with their partner, have them explain to their partner how they reached their answer. Call on one student to come to board, share their answer and reasoning, and choose a number tile. Then the student will select the arrow to determine if the answer is correct.

Possible Responses:

- I counted 7 beads.
- I see 5 red beads and 2 white beads.
- I see 5 red beads and 2 white beads. That is 7 altogether.
- I know there are 5 red beads so I counted on to 7.
- If the answer is incorrect, the teacher should inquire, “Where did you make the mistake? What strategy can you use to check your answer?” Assist the student with developing a strategy around recognizing red beads as five.

*\*\*If the students need more practice with step 1-2, repeat this step 2-5 times before moving to Step 3.*

3. When the next card is shown, do not click the “Show Card” button. Ask the students to discuss the number they think they saw on the card and how they determined the answer with their partner.
4. Ask a volunteer to approach the board, state their answer, and select the number tile as his answer. Once solution is displayed, ask the student to explain their answer and reasoning to the class. They will then click the correct number tile and advance the game to the next math rack.

5. Repeat this process to allow multiple students the opportunity to come to the board and explaining their answer.