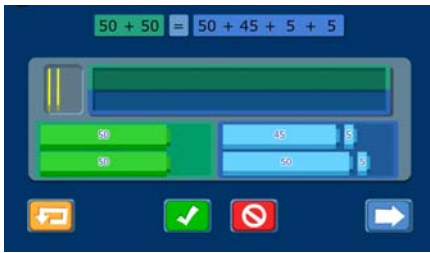


Build Expressions Equal to One Hundred



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

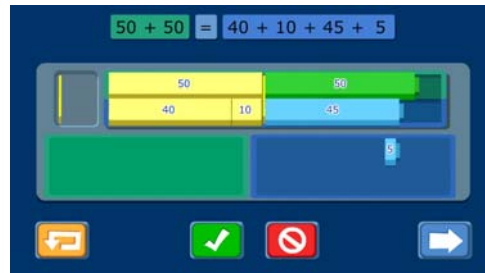
In this DreamBox lesson, students will use expressions that have one to three addends and snap blocks to understand equivalence of numbers and expressions up to one hundred.

Sample Lesson

Objective: Students will use snap blocks to develop strategies to determine if the expressions are equivalent, up to one hundred.

Background: Students should show some automaticity of numbers equivalent to fifty.

Instruction:



1. Each student will start the activity with a partner and piece of grid paper. When introducing the lesson, tell the students each block on the grid paper represents a unit of 5. For example, a row of 10 blocks is equivalent to 50.
2. Students will use grid paper to determine if the expressions are equivalent. Then ask them to explain their strategy to their partner.
3. Students' work on grid paper should mimic use of the snap blocks on the Teacher Tool.

Possible Responses:

 - I grouped 40 and 10 to make the first 50 and 45 and 5 to make the second 50. Both expressions are the same.
 - I added 45 to 5 and 10 to 40. Both equaled 50 so the expressions are the same.
 - I knew 40 and 45 equaled 85 and 10 and 5 equaled 15. Altogether this makes 100 and so does 50 and 50.
4. Allow students time to check their work on the grid paper and make adjustments as needed. Repeat this process several times, allowing a variety of students to participate. Eventually, student should move away from using the grid paper and solve the problems mentally.
5. As a variation, students can work out the problems mentally from the beginning and have red and green cards to indicate their answer. This method will also provide time for sharing strategies with the class.