

Transcript –Learning Progression RN - Sublevels

Each of the levels is composed of up to seven sublevels that focus on the knowledge, skills, and abilities needed to be proficient within the level. For example, level RN.A.1, magnitude, has four sublevels associated with it: number line structure, magnitude as distance, part-to-whole relationships, and unit fractions. Level RN.A.2, equipartitioning also has four sublevels associated with it and level RN.A.3, decomposition, has four sublevels as well. On the ESTAR/MSTAR Learning Progressions document, each of those sublevels has descriptions of concepts that describe what the student should be able understand.

In the last three slides, we demonstrated that there are a total of 13 levels in ESTAR/MSTAR Learning Progression RN: three levels for understanding fractions, four under representations of rational numbers, and six under applications of rational numbers. Each of these levels has sublevels and both are important in that they represent the key ideas as they develop. For example, level RN.A.1, magnitude, is broken into 4 sublevels: RN.A.1.1, number line structure, RN.A.1.2, magnitude as distance, RN.A.1.3, part-to-whole relationships, and RN.A.1.4, unit fractions.

Remember, when there is no black edge between elements, there is a connection between the two elements. Also, dashed lines are drawn in to show relationships between concepts, such as the dashed line between level RN.A.3.4, decomposition as repeated addition, and RN.C.10.2, multiplication as repeated addition.