Content Area: Math Grade Level: K

Reporting Measure: Operations & Algebraic Thinking - Decomposing Numbers

Level	Description
Above & Beyond (4.0)	• I can break a number between 1 to 10 into three or more smaller numbers that make it up (for example, I can break the number 8 into the numbers 4, 1, and 3, and make a drawing to show how I did it).
3.5	I can do all of the things at level 3.0, and I can do some of the things at level 4.0.
Proficient (3.0)	**DN1—I can break apart a number between** 1 **and** 10 **into two smaller numbers in more than one way** (for example, when someone gives me the number 7, I can break it apart into two smaller numbers in more than one way and make a drawing or equation that shows how I did it). **DN2—I can break apart a number between** 11 **and** 19 **into a** 10 **and a number smaller than** 10 (for example, when someone gives me the number 18, I can break it into a 10 and a number smaller than 10 and make a drawing or equation that shows how I did it).
2.5	I can do all of the things at level 2.0, and I can do some of the things at level 3.0.
Getting There (2.0)	**DN1—**I know what certain words mean (for example, *break apart*, *compose*, *decompose*, *equal*, *equation*, *number*, *part*, *share*, *whole*) and can do things such as: • Use objects or make a drawing to show how many things are meant by a number. For example, I can make a drawing of 9 things to show how many things are meant by the number 9. • Explain that numbers can be broken up into groups of smaller numbers. For example, when someone gives me a group of 8 objects, I can break apart the group into one group of 5 objects and one group of 3 objects. • When someone gives me group of objects that has already been broken apart into smaller groups, I can tell how many objects were in the original group. For example, when someone breaks apart of group of objects into a group of 3 red objects and a group of 4 blue objects, I can tell that there were 7 objects in the original group. • When someone gives me a group of objects and breaks it apart into two smaller groups, I can say how many objects there would be if you put the groups back together again. For example, if someone gives me a group of 6 objects and then breaks it apart into a group of 4 objects and a group of 2 objects, I can say how many objects there would be if they put the groups back together again. • I can explain that a group of objects can be broken apart in different ways. For example, when someone gives me a group of 9 objects and breaks it apart into a group of 5 objects and a group of 4 objects, I can show another way in which it could be broken apart. • Write an equation to show how someone broke apart a group of objects into smaller groups. For example, when someone breaks a group of 9 objects into a group of 5 objects and a group of 4 objects, I can write the equation $9 = 5 + 4$ to show what they did. **DN2—** I know what certain words mean (for example, *break apart*, *compose*, *count*, *decompose*, *equal*, *equation*, *number*, *part*, *whole*) and can do things such as: • Count with numbers between 1 and 20. • Explain that the numbers between 11 and 19 stand for amounts that are bigger than 10.

	• Explain that numbers can be broken up into groups of smaller numbers. For example, when someone gives me a group of 8 objects, I can break apart the group into one group of 5 objects and one group of 3 objects. • Break apart groups of 11 to 19 objects into a group of 10 and a group of less than 10. For example, when someone gives me a set of 17 objects, I can break it apart into a group of 10 objects and a smaller group that has the rest of the objects in it. • When someone gives me two groups of objects that contain between 11 and 19 objects all together, I can tell how many objects are in both groups together. For example, when someone gives me a group of 10 red objects and a group of 3 blue objects, I can tell that there are 13 objects all together. • Explain that the "1" on the left part of a number between 11 and 19 means "10" and the part on the right means how many more there are with the 10.
1.5	I can do some of the things at level 2.0 and at level 3.0.
Beginning (1.0)	I can do some of the things at level 2.0 and at level 3.0 with help.