Cluster Summary for: Develop understanding of fractions as numbers. [Use denominators of 2, 3, 4, 6, and 8.] **Grade Level:** 3	**Domain:** Number & Operations with Fractions **Cluster Priority:** (check) _X_ **Major Cluster** __ **Supporting Cluster** __ **Additional Cluster**

SCALE	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
4: Advanced In addition to score 3, in-depth inferences and applications go beyond Mathematics, are applied to other disciplines, and are utilized in real-world contexts.			
3: Proficient The student exhibits no major errors or omissions.	Students develop an understanding of fractions as being part of a whole. Students use manipulatives, measurement, and real life applications to master an understanding of *unit fractions* (1/4, ½, 1/3, 1/6, 1/8) are part of a whole. Students identify that the **numerator** is the quantity being discussed, and the **denominator** is the total number of equal parts. Students begin to compare fractions from the same whole	Students understand a fraction as a number on the number line and can represent fractions on a number line diagram, including whole number written in fractional parts. Students identify the endpoint of each equal part on a number line with a fraction.	Students understand two fractions are equivalent if they are the same size or the same point on a number line. Students recognize and generate simple equivalent fractions. Students compare fractions with the same numerator or denominator by reasoning about their size.
Proficiency Example			
2: Partially Proficient There are no major errors or omissions regarding the simpler details and processes as the student recognizes or recalls terminology and performs basic processes. However, the student exhibits major errors or omissions regarding the more complex ideas and processes.			
1: Novice With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.			
0: No Evidence Even with help, no understanding or skill demonstrated.			
Mathematical Practices Best Taught in this Cluster: (check those that apply) **X** Make sense of problems & preserve in solving them **X** Reason abstractly & quantitatively **X** Construct viable arguments & critique the reasoning of others **X** Model with mathematics **X** Use appropriate tools strategically **X** Attend to precision **X** Look for and make use of structure **X** Look for & express regularity in repeated reasoning			
Key Vocabulary for the Cluster: partition(ed), equal parts, fraction, equal distance, (intervals), equivalent, equivalence, reasonable, denominator, numerator, comparison, compare, <, >, =, justify			