CCSSM Critical Areas of Focus & Required Fluencies for each grade level

Instructional time should focus on these critical areas:		Required fluencies- Students should be able to quickly and accurately perform calculations and solve problems in the following areas:
Kindergarten	1. Representing, relating, and operating on whole numbers, initially with sets of objects. 2. 2. Describing shapes and space. *More learning time in Kindergarten should be devoted to number than to other topics*	• Add/Subtract within 5
Grade 1	1. Developing understanding of addition, subtraction, and strategies for addition and subtraction within 20. 2. Developing understanding of whole number relationships and place value, including grouping in tens and ones. 3. Developing understanding of linear measurement and measuring lengths as iterating length units 4. Reasoning about attributes of, and composing and decomposing geometric shapes	• Add/subtract within 10
Grade 2	1. Extending understanding of base-ten notation 2. Building fluency with addition and subtraction 3. Using standard units of measure 4. Describing and analyzing shapes	• Add/subtract within 20* • Add/subtract within 100 (pencil and paper)
Grade 3	1. Developing understanding of multiplication and division and strategies for multiplication and division within 100. 2. Developing understanding of fractions, especially unit fractions (fractions with numerator of 1). 3. Developing understanding of the structure of rectangular arrays of area. 4. Describing and analyzing two-dimensional shapes.	• Multiply and divide within 100** • Add/subtract within 1000
Grade 4	1. Developing understanding and fluency with multi-digit multiplication and developing understanding of dividing to find quotients involving multi-digit dividends. 2. Developing an understanding of fraction equivalence, addition and subtraction of fractions with like denominators, and multiplication of fractions by whole numbers. 3. Understanding that geometric figures can be analyzed and classified based on their properties, such as having parallel sides, perpendicular sides, particular angle measures, and symmetry.	• Add/subtract within 1,000,000
Grade 5	1. Developing fluency with addition and subtraction of fractions, and developing understanding of the multiplication of fractions and of division of fractions in limited cases (unit fractions divided by whole numbers and whole numbers divided by unit fractions).	• Multi-digit multiplication

	2. Extending division to 2-digit divisors, integrating decimal fractions into the place value system and developing understanding of operations with decimals to hundredths, and developing fluency with whole number and decimal operations 3. Developing understanding of volume.	

* By the end of the year, know from memory all sums of two one-digit numbers

** By the end of the year, know from memory all products of two one-digit numbers