

Highlights of Major Work in K-8 Math

K-2	Addition and subtraction-concepts, skills, and problem solving; place value	<u>A Story of Units</u> the study of number sense and arithmetic
3-5	Multiplication and division of whole numbers and fractions – concepts, skills, and problem solving	
6	Ratios and proportional relationships; early expressions and equations	<u>A Story of Ratios</u> the study of ratios, rates, proportional relationships, and percent
7	Ratios and proportional relationships; arithmetic of rational numbers (integer focus)	
8	Linear algebra and linear functions	

Required [Math] Fluencies

Kindergarten	Add and subtract within 5
Grade 1	Add and subtract within 10
Grade 2	Single digit sums and differences (automaticity by the end of Grade 2); Add and subtract within 100
Grade 3	Single digit products and quotients (product automaticity by the end of Grade 3); Add and subtract within 1,000
Grade 4	Add and subtract within 1,000,000
Grade 5	Multi digit multiplication
Grade 6	Multi digit division; multi digit decimal operations
Grade 7	Solve two step equations in the form of $px + q = r$ and $p(x + q) = r$
Grade 8	Solve simple 2×2 systems of equations by inspection/substitution