NYS Grade 6 to Grade 8 Mathematics Learning Standards

Grade 6
Ratios and Proportional Relationships

	NYS Grade 6 to Grade 8 Mathematics Learning Standards	
	Grade 6 Ratios and Proportional Relationships	
Standard Code	Current Standard	Revised Standard Recommendation for 2018-

Submit comments on the draft NYS Grade 6 Mathematics Learning Standards

		Standard Code	Current Standard	Revised Standard Recommendation for 2018-19	Additional Information/Notes
Clusters	B. Compute fluently with multi-digit numbers and find common factors and multiples.	6.NS.B.2	2. Fluently divide multi-digit numbers using the standard algorithm.	2. No Change	Note: Multi-digit division is an expected fluency for grade 6.
		6.NS.B.3	3. Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation.	3.	

Grade 6 Draft The Number System   4

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	Grade 6 The Number System		
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Clusters		Standard Code	Current Standard	Revised Standard Recommendation for 2018-19	Additional Information/Notes
Clusters	C. Apply and extend previous understandings of numbers to the system of rational numbers.	6.NS.C.5	5. Understand that positive and negative numbers used together to describe quantities having opposite directions or values (e.g., temperature above/below		

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Grade 6 The Number System						
Clusters		Standard Code	Current Standard	Revised Standard Recommendation for 2018-	Additional Information/Notes	
	C. Apply and extend previous understandings of numbers to the system of rational numbers.		...rdering and absolute value of ra... numbers.	7.		

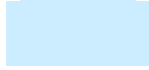|				
NYS Grade 6 to Grade 8 Mathematics Learning Standards				
Grade 6 The Number System				
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Clusters — C. Apply and extend previous understandings of numbers to the of rational numbers.	6.NS.C.8	8. Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane. Include use of coordinates and absolute value to find distances between points with the same first coordinate or same second coordinate.	8. No Change	

NYS Grade 6 to Grade 8 Mathematics Learning Standards

Grade 6

NYS Grade 6 to Grade 8 Mathematics Learning Standards
Grade 6 Expressions and Equations (Inequalities)

Grade 6
Geometry

	Standard Code	Current Standard	Revised Standard Recommendation for 2018-19	Additional Information/Notes
Clusters — A. Solve real-world and mathematical problems involving area, surface area and volume.	6.G.A.1	1. Find area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of real-world and mathematical problems.	1. Find area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other special quadrilaterals; apply these techniques in the context of solving real-world and mathematical problems. Explore square numbers through area.	o (m 9

			NYS Grade 6 to Grade 8 Mathematics Learning Standards			
			Grade 6 Statistics and Probability			
		Standard Code	Current Standard	Revised Standard Recommendation for 2018-19	Additional Information/Notes
Clusters	B. Summarize and describe distributions.	6.SP.B.4	4. Display numerical data in plots on a number line, including dot plots, histograms, and box plots.	4. No Change	