

NYS Grade 6 to Grade 8 Mathematics Learning Standards

Grade 6

Ratios and Proportional Relationships

NYS Grade 6 Mathematics Learning Standards

Grade 6

Ratios and Proportional Relationships

Standard
Code

Current Standard

Revised Standard Recommendation for 2018-

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NYS Grade 6 to Grade 8 Mathematics Learning Standards

Grade 6
The Number System

		Standard Code	Current Standard	Revised Standard Recommendation for 2018-	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.	

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Grade 6
The Number System

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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 zero, elevation above/below sea level, positive/negative integers representing different directions on a number line). 2 5		

Clusters

C. Apply and extend previous understandings of numbers to the system of rational numbers.

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Grade 6
The Number System

	Standard Code	Current Standard	Revised Standard Recommendation for 2018-	Additional Information/Notes
Clusters C. Apply and extend previous understandings of rational numbers.		ordering and absolute value of rational numbers.	7.	

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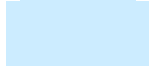
Grade 6
The Number System

	Standard Code	Current Standard	Revised Standard Recommendation for 2018-	Additional Information/Notes
Clusters C. Apply and extend previous understandings of numbers to the rational numbers.	6.NS.C.8	8. Solve realworld and mathematical problems involving 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	

[Submit comments on the draft NYS Grade 6 Mathematics Learning Standards](#)

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Grade 6
Expressions and Equations (Inequalities)



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Grade 6
Geometry

Clusters	Standard Code	Current Standard	Revised Standard Recommendation for 2018-	Additional Information/Notes
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.	(m 9

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Grade 6
Statistics and Probability

	Standard Code	Current Standard	Revised Standard Recommendation for 2018-	Additional Information/Notes
Clusters	6.SP.B.4	4. Display numerical data in plots on a number line including dot plots, histograms, and box plots.	4. No Change	
B. Summarize and describe distributions.				