

Standards Chart: Conversions Rock

Grades 6–8

Common Core State Standards for Mathematical Content The Number System	1. Converting Fractions	2. Converting Decimals	3. Converting Percentages
Grade 7: 7.EE.B.3 Solve multi-step real-life and mathematical problems posed with positive and negative rational numbers in any form (whole numbers, fractions, and decimals), using tools strategically. Apply properties of operations to calculate with numbers in any form; convert between forms as appropriate; and assess the reasonableness of answers using mental computation and estimation strategies.	X	X	X
Common Core State Standards for Mathematical Practice			
MP1. Make sense of problems and persevere in solving them.	X	X	X
MP2. Reason abstractly and quantitatively.	X	X	X
MP3. Construct viable arguments and critique the reasoning of others.	X	X	X
MP4. Model with mathematics.	X	X	X
MP5. Use appropriate tools strategically.	X	X	X
MP6. Attend to precision.	X	X	X

(continued)

National Council of Teachers of Mathematics (NCTM) Standards Number and Operations	1. Converting Fractions	2. Converting Decimals	3. Converting Percentages
Work flexibly with fractions, decimals, and percents to solve problems.	X	X	X
Compare and order fractions, decimals, and percents efficiently.	X	X	X
Develop meaning for percents greater than 100.			X
Understand and use ratios to represent quantitative relationships.	X	X	X
Understand the meaning and effects of arithmetic operations with fractions, decimals, and integers.	X	X	X
Use the associative and commutative properties of addition and multiplication and the distributive property of multiplication over addition to simplify computations with integers, fractions, and decimals.	X	X	X
Select appropriate methods and tools for computing with fractions and decimals from among mental computation, estimation, calculators or computers, and paper and pencil, depending on the situation, and apply selected methods.	X	X	X
Develop and use strategies to estimate the results of rational-number computations and judge the reasonableness of the results.	X	X	X
Develop, analyze, and explain methods for solving problems involving proportions, such as scaling and finding equivalent ratios.	X	X	X
National Council of Teachers of Mathematics (NCTM) Standards Measurement			
Use common benchmarks to select appropriate methods for measurements.		X	
Solve problems involving scale factors, using ratio and proportion.		X	