

Change in Standards by Grade Level 6th, 7th, and 8th

- The items listed are from the 2009 BVSD Standards and are ***no longer required*** at the grade level indicated by the column heading. (The instruction of these concepts has either been moved up or down to the grade level specified in parenthesis.)

6 th Grade	7 th Grade	8 th Grade
Number Sense:	Number Sense:	Number Sense:
6.4a Solve word problems involving multiplication of a fraction by a whole number (Moved to 4 th)	6.4b and 6.4 c Use positive and negative numbers to represent quantities in real-world contexts, explaining the meaning of 0 in each situation. (Moved to 6 th)	1.4a 1) Use ratio reasoning to convert measurement units (Moved to 6 th) 2) Solve unit rate problems including those involving unit pricing and constant speed (Moved to 6 th)
	6.4 b Solve problems involving division of fractions by fractions, e.g, using visual fraction models and equations to represent problem (Moved to 6 th) 6.2 b Compute quotients of fractions (Moved to 6 th)	1.4a; 6.1 a Compute unit rates associated with ratios of fractions, including ratios of lengths, areas and other quantities measured in like or different units (Moved to 7 th)
	1.4a; 6.1a 1) Apply the concept of unit rate a/b associated with a ratio $a:b$ with $b \neq 0$, and use rate language in the context of ratio relationship 2) Use ratio and rate reasoning to solve real-world problems (Moved to 6 th)	1.4a Determine whether two quantities are in a proportional relationship (Moved to 7 th) 1.4a; 2.3a Identify the constant of proportionality (unit rate) in tables, graphs, equations, diagrams, and verbal descriptions of proportional relationships (Moved to 7 th)
	6.4c Interpret and model quotients of fractions through the creation of story contexts (Moved to 6 th)	1.4a Represent proportional relationships by equations (Moved to 7 th)
	6.2b Fluently add, subtract, multiply and divide multi-digit decimals using standard algorithms for each operation (Moved to 6 th)	6.4 a Estimate and compute unit cost of consumables (to include unit conversions if necessary) (Moved to 7 th)
	1.4a 1) Solve problems involving finding the whole, given a part and the percent (Moved to 6 th) 2) Use common fractions and percents to calculate parts of whole numbers (Moved to 6 th) 3) Express the comparison of two whole number quantities using differences, part-to-part ratios, and part-to-whole ratios (Moved to 6 th)	4.4a Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane including the use of coordinates and absolute value to find distances between points with the same coordinate or the same second coordinate. (Moved to 6 th)

	6.4b; 6.4c Write, interpret and explain statements of order for rational numbers in real-world contexts (Moved to 6 th)	
	1.2b 1) Use opposite signs of numbers to indicate locations on opposite sides of 0 (Moved to 6 th) 2) Find and position integers and other rational numbers on a horizontal or vertical number line diagram (Moved to 6 th)	
	1.1b Identify that the opposite of an opposite is the number itself (Moved to 6 th)	
	4.4a 1) Explain when two ordered pairs differ only by signs, the locations of the points are related by reflections across one or both axes. 2) Find and position pairs of integers and other rational numbers on a coordinate plane (Moved to 6 th)	
Algebra	Algebra	Algebra
	6.2a Write and evaluate numerical expressions involving whole-number exponents. (Moved to 6 th)	2.2a Show that inequalities of the form $x > c$ or $x < c$ Have infinitely many solutions; represent solutions of such inequalities on number line diagrams (Moved to 6 th)
	6.2a Perform arithmetic operations, including those involving whole-number exponents, in the conventional order when there are no parentheses to specify a particular order (Order of Operations) (Moved to 6 th)	
	2.1a;4.4a Form ordered pairs consisting of corresponding terms from the two patterns, and graphs the ordered pairs on a coordinate plane (Moved to 5 th)	
Data Analysis, Statistics & Probability	Data Analysis, Statistics & Probability	Data Analysis, Statistics & Probability
3.6b Design and use a simulation to generate frequencies for compound events (Moved to 7 th)	3.3a Relate the choice of measures of center and variability to the shape of the data distribution and the context in which the data was gathered (Moved to 6 th)	3.2a Use measures of center and measures of variability for numerical data from random samples to draw informal comparative inferences about two populations. (Moved to 7 th)
	6.4b Use operations on fractions to solve problems involving information presented in line plots (Moved to	3.7a Design and use a simulation to generate frequencies for compound events (Not explicit)

	5 th)	(Moved to 7 th)
		3.6a Explain that the probability of a compound event is the fraction of outcomes in the sample space for which the compound event occurs. (Moved to 7 th)
		3.7a Develop a probability model (which may not be uniform) by observing frequencies in data generated from a chance process (Moved to 7 th)
Shape, Dimension, and Geometric Relationships	Shape, Dimension, and Geometric Relationships	Shape, Dimension, and Geometric Relationships
4.4a Graph points on the coordinate plane (Moved to 5 th)	4.5c 1) Represent 3-D figures using nets made up of rectangles and triangles (Moved to 6 th) 2) Use nets to find the surface area of figures (Moved to 6 th) 3) Apply techniques for finding surface area in the context of solving real-world problems (Moved to 6 th)	4.4a Use coordinates to find the length of a side joining points with the same first coordinate or the same second coordinate (Moved to 6 th)
		4.5a 1) Model the volume of a right rectangular prism with whole-number side lengths by packing it with unit cubes (Moved to 5 th) 2) Measure volume by counting unit cubes, using cubic cm, cubic in, cubic ft and improvised units (Moved to 5 th)
		5.4a 1) Focus on finding area of base and multiplying by height for understanding (Moved to 5 th) 2) Apply the formulas $V = l \times w \times h$ and $V = b \times h$ for rectangular prisms to find volumes of right rectangular prisms with whole-number edge lengths (Moved to 5 th)