Student:

6th Grade Mathematics Standards Grading Sheet

Standard	CRT	Date or Grade									
Standard 1: Number	**25**										
Objective 1: Represent whole numbers and decimals in a variety of ways. (place value, expanded notation, pri/comp/neith, exponents, scientific notation, prime factorization)	**5**										
Objective 2: Identify relationships among whole numbers, fractions, decimals, and percents. (order/compare/locate on a # line, GCF, LCM, fraction/decimal/percent)	**5**										
Objective 3: Model and illustrate meaning of operations and describe how they relate. (+-x÷ fractions and decimals, ÷strategies including decimals, # sentence for 2 step prob., rules of divisibility)	**5**										
Objective 4: Use fractions and percents to communicate parts of a whole. (simplest form, fraction as ratio, equivalent frac/ratio/dec/%)	**5**										
Objective 5: Solve problems using the four operations with whole numbers, decimals, and fractions. (multiply 3-dig by 2 dig whole #s and decimals, divide w/2 dig divisor whole and dec., +- decimals to thousandths, +-x÷ fractions and mixed #s, ratio and proportion, order of ops)	**5**										
Objective 6: Model, illustrate and perform the operations of addition and subtraction of integers.											
Standard 2: Algebra	**10**										
Objective 1: Recognize, analyze, and use multiple representations of patterns and functions and describe their attributes. (graphs, tables, equations)	**5**										
Objective 2: Represent, solve, analyze mathematical situations using algebraic symbols. (two-step equations, 3n = 3 x n, ≈, exponents)	**5**										
Standard 3: Geometry	**10**										
Objective 1: Identify and analyze characteristics and properties of geometric shapes. (midpoint of line segment, concave/ convex polygons, center/ radius/ circumference/ diameter of circles, faces/ edges/ vertices of pyramids and prisms)	**5**										
Objective 2: Specify locations and describe spatial relationships using coordinate geometry. (ordered pairs and points in four quadrants)											
Objective 3: Visualize and identify geometric shapes after applying transformations. (slide, flips, turns on coordinate grid)	**5**										
Standard 4: Measurement	**10**										
Objective 1: Identify and describe measurable attributes of objects and units of measurement. (est. length, volume, weight, area in metric and customary, π, angles, relationship of units)	**5**										
Objective 2: Determine measurements using appropriate tools and formulas. (measure length, volume, surface area, angles, circumference, elapsed time, area of triangles/rectangles/ parallelograms)	**5**										
Standard 5: Data and Probability	**10**										
Objective 1: Design investigations to reach conclusions using statistical methods to make inferences based on data. (graphs, frequency tables, stem and leaf plots, scatter plots, scale)	**5**										
Objective 2: Apply basic concepts of probability. (results as fraction/ratio/percent, experimental vs. anticipated results)	**5**										