DODGE CITY MIDDLE SCHOOL
2010-2011 Mathematics Grade 7

- Red Indicators Below 60% = Constitutes the Construction of SMART Goals
- Blue Indicators Below 80% = Check for Understanding
- Black Indicators At 80% or Above = Celebrate Proficiency

M.7.1.1.A1 Avg = 66 ; Generates and/or solves real-world problems using
a) equivalent representations of rational numbers and simple algebraic expressions

M.7.1.4.K2 Avg = 67 ; Performs and explains these computational procedures
a) adds and subtracts decimals from ten millions place through hundred thousandths place
b) multiplies and divides a four-digit number by a two-digit number using numbers from thousands place through thousandths place
c) multiplies and divides using numbers from thousands place through thousandths place by 10; 100; 1,000; .1; .01; .001; or single-digit multiples of each
d) adds, subtracts, multiplies, and divides fractions and expresses answers in simplest form

M.7.1.4.K5 Avg = 80 ; Finds percentages of rational numbers

M.7.2.1.K1 Avg = 59 ; Identifies, states, and continues a pattern presented in various formats including numeric (list or table), algebraic (symbolic notation), visual (picture, table, or graph), verbal (oral description), kinesthetic (action), and written using these attributes
a) counting numbers including perfect squares, cubes, and factors and multiples (number theory
b) positive rational numbers including arithmetic and geometric sequences (arithmetic: sequence of numbers in which the difference of two consecutive numbers is the same, geometric: a sequence of numbers in which each succeeding term is obtained by multiplying the preceding term by the same number)

M.7.2.1.K4 Avg = 76 ; States the rule to find the nth term of a pattern with one operational change (addition or subtraction) between consecutive terms

M.7.2.2.A1 Avg = 54 ; Represents real-world problems using variables and symbols to write linear expressions, one- or two-step equations

M.7.2.2.K7 Avg = 69 ; Knows the mathematical relationship between ratios, proportions, and percents and how to solve for a missing term in a proportion with positive rational number solutions and monomials

M.7.2.2.K8 Avg = 71 ; Evaluates simple algebraic expressions using positive rational numbers

M.7.3.1.K3 Avg = 70 ; Identifies angle and side properties of triangles and quadrilaterals
a) sum of the interior angles of any triangle is 180°
b) sum of the interior angles of any quadrilateral is 360°
c) parallelograms have opposite sides that are parallel and congruent
d) rectangles have angles of 90°, opposite sides are congruent
e) rhombi have all sides the same length, opposite angles are congruent
f) squares have angles of 90°, all sides congruent
g) trapezoids have one pair of opposite sides parallel and the other pair of opposite sides are not parallel

M.7.3.2.A1 Avg = 42 ; Solves real-world problems by

M.7.3.2.K4 Avg = 71 ; Knows and uses perimeter and area formulas for circles, squares, rectangles, triangles, and parallelograms

M.7.3.2.K6 Avg = 80 ; Uses given measurement formulas to find
a) surface area of cubes
b) volume of rectangular prisms

M.7.3.3.A3 Avg = 69 ; Determines the actual dimensions and/or measurements of a two dimensional figure represented in a scale drawing

M.7.4.2.A3 Avg = 49 ; Recognizes and explains
a) misleading representations of data
b) the effects of scale or interval changes on graphs of data sets

M.7.4.2.K1 Avg = 66 ; Organizes, displays, and reads quantitative (numerical) and qualitative (nonnumerical) data in a clear, organized, and accurate manner including a title, labels, categories, and rational number intervals using these data displays
a) frequency tables
b) bar, line, and circle graphs
c) Venn diagrams or other pictorial displays
d) charts and tables
e) stem-and-leaf plots (single)
f) scatter plots
g) box-and-whiskers plots