Department: Mathematics

Course: Functional Math 8

Revised: October, 2016

MAX08EE11: Compose and decompose numbers to three digits.

MAX08EE25: Graph a simple ratio (2:1 = 2/1).

MAX08EE37: Solve algebraic expressions using simple addition and subtraction.

MAX08FN11: Given a function table, identify the missing number.

MAX08FN24: Determine the values or rule of a function using a graph or a table.

MAX08FN25: Describe how a graph represents a relationship between two quantities.

MAX08GE11: Identify similar objects/shapes containing <'s w/o translations.

MAX08GE14: Identify similar shapes with and without rotation.

MAX08GE15: Compare measures of <'s to a right < (> than, < than, or =).

MAX08GE39: Identify volume of common measures (cups, pints, quarts, gallons, etc.).

MAX08NS11: Subtract fractions w/like denominators with minuends < or = to 1.

MAX08NS12: Represent different forms of fractions with multiples of 5/100.

MAX08SP14: Construct a graph/table given data and compare the data.

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MAT08EE11: Know & apply properties of exponents to generate equivalent expressions.

MAT08EE12: Use square root and cube root symbols to represent solutions to equations.

MAT08EE13: Use numbers in form of a single digit & power of 10 (estimate very large/small number).

MAT08EE14: Perform operations with numbers expressed in scientific notation.

MAT08EE25: Graph proportional relationships (unit rate as the slope of the graph).

MAT08EE26: Use similar tri to explain why slope is same b/w any 2 pts(derive y= mx+b).

MAT08EE37: Analyze & solve linear equations & pairs of simultaneous linear equations.

MAT08EE38: Analyze and solve linear equations & pairs of simultaneous linear equations.

MAT08FN11: Understand a function (each input exactly 1 output) (notation not required).

MAT08FN12: Compare 2 functions represented in different way (alg, graph, tables or verbal).

MAT08FN13: Interpret y=mx+b as linear function, given example of functions that are not linear.

MAT08FN24: Construct a function to model a linear relationship between two quantities.

MAT08FN25: Describe qualitatively functional relationship between 2 quantities by analyzing graph.

MAT08GE11: Verify experimentally the properties of rotations, reflections & translations.

MAT08GE12: Understand a 2-dimensional figure is congruent to another if rotation, reflection or transformation.

MAT08GE13: Describe effect of transformations on 2-dimensional figures using coordinates.

MAT08GE14: Understand a 2-dimensional figure is similar to another by transformation (describe).

MAT08GE15: Use informal arguments to establish facts about angle relationships.

MAT08GE26: Explain a proof of the Pythagorean Theorem and its converse.

MAT08GE27: Apply P-Thm to determine unknown sides in right tri in problems w/2 & 3 dimensions.

MAT08GE28: Apply the P-Thm to find the distance between 2 points in a coordinate system.

MAT08GE39: Know the formulas for the volume of cones, cylinders & spheres use to solve problems.

MAT08NS11: Know that numbers that are not rational are irrational (decimal expansion).

MAT08NS12: Use rational approximation of irrational numbers to compare the size of irrational numbers.

MAT08SP11: Construct & interpret scatter plot for bivariate data to invest association.

MAT08SP12: Know straight lines are used to model relationships between 2 quantitative variables.

MAT08SP13: Use equ. of linear model to solve problems of bivariate data (m & intercept).

MAT08SP14: Construct/interpret 2-way table summarizing data on 2 variables (same subjects).