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KCSD**96** 23-24 Bridge to Algebra 1 Pacing Guide 4.0 Target Т2 3.0 Target T1 тз Solving Linear Equations Students have multiple ways to demonstrate extension. For more Construct an equation to solve multi-step problems by reasoning about the х information or to see a scoring rubric, contact your child's teacher. quantities in the context of a given problem. Students have multiple ways to demonstrate extension. For more Construct and solve multi-step inequalities by reasoning about the quantities in the х information or to see a scoring rubric, contact your child's teacher. context of a given problem. Students have multiple ways to demonstrate extension. For more Solve linear equations in one variable with rational number coefficients х information or to see a scoring rubric, contact your child's teacher. demonstrating the distributive property and collecting of like terms Demonstrate the ability to retain knowledge when applying operations on rational х Does Not Extend numbers Demonstrates ability to be precise when solving problems and/or when Does Not Extend х communicating mathematical thinking. Functions Does Not Extend Understand that a function is a rule that assigns to each input exactly one output. х Describe qualitatively the functional relationship between two quantities by analyzing Students have multiple ways to demonstrate extension. For more a graph (e.g., where the function is increasing or decreasing, linear or nonlinear). х information or to see a scoring rubric, contact your child's teacher. Sketch a graph that exhibits the qualitative features of a function that has been described verbally. Does Not Extend Demonstrate ability to retain content knowledge when solving equations. х Demonstrates ability to be precise when solving problems and/or when communicating mathematical thinking. Does Not Extend х Linear Functions Compare and analyze functions represented in different ways (algebraically, Students have multiple ways to demonstrate extension. For more graphically, numerically, and verbally) including proportional and non-proportional х information or to see a scoring rubric, contact your child's teacher. relationships and provide support. Students have multiple ways to demonstrate extension. For more Х Construct a linear function and interpret the key characteristics in the given context. information or to see a scoring rubric, contact your child's teacher. Does Not Extend Demonstrate ability to retain content knowledge when solving equations. х Demonstrates ability to be precise when solving problems and/or when Does Not Extend х communicating mathematical thinking Simultaneous Linear Functions Recognize and explain why the points of intersection of the graphs are the solution Students have multiple ways to demonstrate extension. For more to two linear equations in two variables and solve systems of two linear equations in х information or to see a scoring rubric, contact your child's teacher. two variables using graphing, substitution, and elimination. Students have multiple ways to demonstrate extension. For more Solve real-world mathematical problems involving two linear equations in two х information or to see a scoring rubric, contact your child's teacher. variables Students have multiple ways to demonstrate extension. For more х Demonstrate ability to retain content knowledge in relation to linear functions. information or to see a scoring rubric, contact your child's teacher. Demonstrates ability to be precise when solving problems and/or when communicating mathematical thinking. Students have multiple ways to demonstrate extension. For more х information or to see a scoring rubric, contact your child's teacher. Congruence and Similarity Students have multiple ways to demonstrate extension. For more Understand and describe that two figures are congruent or similar using the х information or to see a scoring rubric, contact your child's teacher. properties of rotations, reflections and translations of 2D figures. Students have multiple ways to demonstrate extension. For more Use informal arguments to establish facts about the angle sum and exterior angle of х information or to see a scoring rubric, contact your child's teacher triangles, and about the angles created when parallel lines are cut by a transversal Does Not Extend Demonstrate ability to retain content knowledge in relation to linear functions. х Demonstrates ability to be precise when solving problems and/or when Does Not Extend х communicating mathematical thinking. Properties and Applications of Exponents Students have multiple ways to demonstrate extension. For more Apply the properties of integer exponents to generate equivalent numerical х information or to see a scoring rubric, contact your child's teacher. expressions. Does Not Extend Demonstrate the ability to retain content knowledge of solving equations х Demonstrates ability to be precise when solving problems and/or when Does Not Extend х communicating mathematical thinking. Radicals, Irrational Numbers and Pythangorean Theorem Use rational approximations of irrational numbers to compare the size of irrational Does Not Extend numbers, locate them approximately on a number line diagram, and estimate the Х value of expressions (e.g., π^2). Students have multiple ways to demonstrate extension. For more Apply the Pythagorean Theorem to solve problems, including distance problems. х information or to see a scoring rubric, contact your child's teacher. Does Not Extend Demonstrate ability to retain content knowledge in relation to linear functions. х

Does Not Extend	Demonstrates ability to be precise when solving problems and/or when communicating mathematical thinking.			х
Volume				
Students have multiple ways to demonstrate extension. For more information or to see a scoring rubric, contact your child's teacher.	Apply formulas to find the volumes of cones, cylinders, and spheres to solve real- world problems.			х
Students have multiple ways to demonstrate extension. For more information or to see a scoring rubric, contact your child's teacher.	Apply formulas to solve the circumference and area of circles to solve problems.			х
Does Not Extend	Demonstrate the ability to retain content knowledge of solving equations.			Х
Does Not Extend	Demonstrates ability to be precise when solving problems and/or when communicating mathematical thinking.			х
Statistics				
Students have multiple ways to demonstrate extension. For more information or to see a scoring rubric, contact your child's teacher.	Use the equation of a linear model to solve problems in the context of bivariate measurement data, interpreting the slope and intercept.			x
Students have multiple ways to demonstrate extension. For more information or to see a scoring rubric, contact your child's teacher.	Understand patterns of association can also be seen in bivariate categorical data by displaying frequencies and relative frequencies in a two-way table. Construct and interpret a two-way table summarizing data on two categorical variables collected from the same subjects.			x
Does Not Extend	Demonstrate ability to retain content knowledge in relation to linear functions.			х
Does Not Extend	Demonstrate ability to retain content knowledge in relation to simultaneous linear functions.			x
Does Not Extend	Demonstrate ability to retain content knowledge in relation to properties and applications of exponents.			x
Does Not Extend	Demonstrates ability to be precise when solving problems and/or when communicating mathematical thinking.			х