KCSD96

23-24 Pre-Algebra Pacing Guide

4.0 Target	3.0 Target	T1	T2	T3
Ratios				
Students have multiple ways to demonstrate extension. For more information or to see a scoring rubric, contact your child's teacher.	Use proportional reasoning to solve real-world problems, including those with unit rates.	X		
Students have multiple ways to demonstrate extension. For more information or to see a scoring rubric, contact your child's teacher.	Use proportional relationships to solve multistep ratio and percent problems. Examples: simple interest, tax, markups and markdowns, gratuities and commissions, fees, percent increase and decrease, percent error.	X		
Rational Numbers				
Students have multiple ways to demonstrate extension. For more information or to see a scoring rubric, contact your child's teacher.	Add and subtract rational numbers.		X	
Students have multiple ways to demonstrate extension. For more information or to see a scoring rubric, contact your child's teacher.	Multiply and divide rational numbers.		X	
Students have multiple ways to demonstrate extension. For more information or to see a scoring rubric, contact your child's teacher.	Evaluate numerical expressions using order of operations, including exponents and rational numbers.		X	
Does Not Extend	Demonstrate the ability to retain content knowledge when solving problems with ratios.		X	
Expressions				
Students have multiple ways to demonstrate extension. For more information or to see a scoring rubric, contact your child's teacher.	Apply properties of operations and exponents to generate equivalent expressions, including those with rational numbers.		X	
Students have multiple ways to demonstrate extension. For more information or to see a scoring rubric, contact your child's teacher.	Write, read, and evaluate expressions in which letters stand for numbers.		X	
Does Not Extend	Demonstrate the ability to retain content knowledge when solving problems with rational numbers.		X	
Equations				
Students have multiple ways to demonstrate extension. For more information or to see a scoring rubric, contact your child's teacher.	Use variables to represent quantities in a real-world or mathematical problem, and construct simple equations to solve problems by reasoning about the quantities.		X	
Students have multiple ways to demonstrate extension. For more information or to see a scoring rubric, contact your child's teacher.	Use variables to represent quantities in a real-world or mathematical problem, and construct simple inequalites to solve problems by reasoning about the quantities.		X	
Does Not Extend	Demonstrate the ability to retain content knowledge when solving problems with expressions.		X	
Students have multiple ways to demonstrate extension. For more information or to see a scoring rubric, contact your child's teacher.	Write and use the equation of a line.		X	
Students have multiple ways to demonstrate extension. For more information or to see a scoring rubric, contact your child's teacher.	Interpret the key characteristics (slope, y-intercept, input, output, domain, range) in the given context.		X	
Does Not Extend	Demonstrate the ability to retain content knowledge when solving problems with equations.		X	
Geometry				
Students have multiple ways to demonstrate extension. For more information or to see a scoring rubric, contact your child's teacher.	Find the surface area of three-dimensional shapes in real-world contexts, including those with fractional sides.			X
Students have multiple ways to demonstrate extension. For more information or to see a scoring rubric, contact your child's teacher.	Given the volume, find the length of a missing measurement or find the volume of a combined shape.			X
Does Not Extend	Demonstrate the ability to retain content knowledge when solving problems with equations.			X
Students have multiple ways to demonstrate extension. For more information or to see a scoring rubric, contact your child's teacher.	Solve multi-step mathematical problems involving angle measures requiring multi-step algebraic equations and rational numbers.			X
Students have multiple ways to demonstrate extension. For more information or to see a scoring rubric, contact your child's teacher.	Apply the Pythagorean Theorem to solve problems, including distance problems.			X
Does Not Extend	Demonstrate the ability to retain content knowledge when solving problems with expressions.			X
Students have multiple ways to demonstrate extension. For more information or to see a scoring rubric, contact your child's teacher.	Demonstrate that two figures are congruent or similar using the properties of rotations, reflections, translations, or dilations of 2D figures.			X
Does Not Extend	Demonstrate the ability to retain content knowledge when solving problems with equations.			X