Tantasqua/Union 61 2015-2016 Alignment Sheets-Assessed Math Standards

Grade 4

T1 Standards Covered and Assessed	T2 Standards Covered and Assessed	T3 Standards Covered and Assessed
4.NBT.1 Place Value - digit to the left is 10x larger, connect to multiplication and division facts with multiples of 10	4.NBT.6 Divide 4 digit whole numbers by 1 digit divisors with remainders	4.MD.4 Fractional line plot, problem solving
4.NBT.2 Read and write whole numbers with numbers, word names, expanded form	4.NBT.6 Divide whole numbers: place value, properties of operations, relationship between multiplication and division	4.MD.1 Unit conversion and comparison
4.NBT.2 Compare multi-digit numbers with place value, use <, >, =	4.NBT.6 Divide whole numbers: explain with equations, arrays, area	4.MD.2 Measurement word problems: four operations, converting units, including fractions and decimals
4.NBT.3 Round with place value	4.OA.2 Multiplication word problems: solve, use equations, distinguish from additive comparison	4.MD.5 Angles & circles
4.NBT.4 Add and subtract whole numbers	4.OA.2 Division word problems, including interpret remainder and use equations	4.MD.6 Measure angles
4.OA.4 Factors and multiples	4.OA.3 Reasonable estimates for multi-step word problems	4.MD.7 Angle addition and subtraction, equations
4.MD.3 Area	4.OA.3 Multi-step word problems with whole numbers, including using equations	4.G.1 Lines and angles in figures
4.MD.3 Perimeter	4.NF.1 Equivalent fractions, including visual models	4.G.2 Classify 2D figures with angles, parallel and perpendicular lines
4.OA.1 Multiplication models: comparison interpretation	4.NF.2 Compare fractions: benchmark fractions. Also, choose visual model and use <, >, =	4.G.3 Symmetry
4.NBT.5 Multiply 4 digit by 1 digit	4.NF.3a Understand addition and subtraction of fractions as joining and separating parts referring to the same whole	4.OA.5 Patterns

T1 Standards Covered and Assessed	T2 Standards Covered and Assessed	T3 Standards Covered and Assessed
4.NBT.5 Multiply 2 digit by 2 digit	4.NF.3b Decompose fractions and mixed numbers with equations and visual models	
4.NBT.5 Multiply whole numbers: place value, properties of operations, equations, areas, and arrays	4.NF.3c Add and subtract mixed numbers with like denominators	
4.OA.5 Patterns	4.NF.3d Solve word problems with addition and subtraction of fractions with like denominators. Use visual models and equations	
4.NBT.MA5a Know multiplication facts and related division facts through 12 x 12	4.NF.4a and b Multiply a fraction by a whole number. Understand a/b as a multiple of 1/b, visual models, associative property	
	4.NF.4c Multiply fraction by whole number: word problem	
	4.NF.5 Expanded notation for decimals	
	4.NF.6: Decimal fractions, decimals on number lines	
	4.NF.7: Compare decimals, referring to same whole, to hundredths place. Visual models and <. >, =	

Standards Key:

PARCC Major Clusters	PARCC Supporting Clusters	PARCC Additional Clusters

Notes: Columns represent the standards to be taught in each trimester. Common assessments will be administered at the end of each trimester. Some standards require greater emphasis, however, all standards must be taught. For complete description of standards refer to the Massachusetts Curriculum Frameworks for Mathematics 2011 incorporating the Common Core State Standards for Mathematics.