4th Grade Math Standards Taught in 3rd Grade Accelerated Math

Extra practice or exposure to the standards that will not be in our textbook this year will be helpful to all students, particularly those that were not in accelerated math last year

Place Value

MA.4.NSO.1.2 Read and write multi-digit whole numbers from 0 to 1,000,000 using standard form, expanded form and word form
MA.4.NSO.1.3 Plot, order and compare multi-digit whole numbers up to 1,000,000
MA.4.NSO.1.4 Round whole numbers from 0 to 10,000 to the nearest 10, 100 or 1,000

A.2 Place value names	A.3 Relationship between place values
A.4 Value of a digit	A.5 Convert between expanded and expanded form
B.1 Compare numbers up to a million	B.4 Order numbers up to a million
C.1 Rounding up to hundred thousands	C.2 Round a number to any place

Multiplication

MA.4.NSO.2.1 Recall multiplication facts with factors up to 12 and related division facts with automaticity
MA.4.NSO.2.2 Multiply two whole numbers, up to three digits by up to two digits, with procedural reliability
MA.4.NSO.2.3 Multiply two whole numbers, each up to two digits, including using a standard algorithm with procedural fluency
MA.4.NSO.2.5 Explore the multiplication and division of multi-digit whole numbers using estimation, rounding and place value

Use Reflex Math until 100% fluent (recommended 3x a week until the green light)

H.9 Multiply 1 digit numbers by 2 digits	H.16 Multiply 1 digit numbers by 3 or 4 digits
I.10 Multiply 2 digit numbers by 2 digits	I.11 Multiply 2 digit by 2 digit word problems
I.9 Multiply 2 digit by 2 digit complete the missing steps	

Fractions

MA.4.FR.1.3 Identify and generate equivalent fractions, including fractions greater than one. Describe how the numerator and denominator are affected when the equivalent fraction is created
MA.4.FR.1.4 Plot, order and compare fractions, including mixed numbers and fractions greater than one, with different numerators and different denominators
MA.4.FR.2.2 Add and subtract fractions with like denominators, including mixed numbers and fractions greater than one, with procedural reliability
MA.4.AR.1.2 Solve real-world problems involving addition and subtraction of fractions with like denominators, including mixed numbers and fractions greater than one

P.3 Find equivalent fractions using area models	P.4 Identify equivalent fractions using number lines
P.6 Identify equivalent fractions	P.7 Find the missing numerator or denominator
P.8 Patterns of equivalent fractions	Q.1 Identify mixed numbers
Q.3 Convert mixed numbers to improper fractions	Q.4 Convert improper fractions to mixed numbers
R.8 Compare fractions	R.12 Graph and order fractions on number lines
S.4 Decompose fractions different ways	T.3 Add and subtract fractions with like denominators
T.9 Subtract mixed numbers	T.10 Add and subtract mixed numbers

Equations

MA.4.AR.2.1 Determine and explain whether an equation involving any of the four operations with whole numbers is true or false

MA.4.AR.2.2 Given a mathematical or real-world context, write an equation involving multiplication or division to determine the unknown whole number with the unknown in any position

M.11 Write equations to represent word problems M.12 Solve equations

Geometry

MA.4.GR.1.1 Informally explore angles as an attribute of two-dimensional figures. Identify and classify angles as acute, right, obtuse, straight or reflex

MA.4.GR.1.2 Estimate angle measures. Using a protractor, measure angles in whole-number degrees and draw angles of specified measure in whole-number degrees. Demonstrate that angle measure is additive

MA.4.GR.1.3 Solve real-world and mathematical problems involving unknown whole number angle measures. Write an equation to represent the unknown

MA.4.GR.2.1 Solve perimeter and area mathematical and real-world problems, including problems with unknown sides, for rectangles with whole-number side lengths

MA.4.GR.2.2 Solve problems involving rectangles with the same perimeter and different areas or with the same area and different perimeters.

GG.2 Perimeter: find the missing side length GG.3 Find the perimeter of rectangles using formulas
HH.2 Find the area of rectangles using formulas HH.3 Find the area or missing side length
HH.6 Area between two rectangles HH.8 Relationship between area and perimeter
II.2 Parallel, perpendicular, and intersecting JJ.1 Acute, right, obtuse, and straight angles
JJ.6 Measure angles with a protractor JJ.7 Draw angles with a protractor
JJ.9 Adjacent angles JJ.10 Angle measures word problems