**“I Can” Statements - Grade 4 Math**

**I can use the four operations (+, -, x, ÷) to help me solve problems.**

M.4.OA.1

* I can understand that multiplication equations can be seen as comparisons of groups (e.g., 24 = 4 x 6 can be thought of as 4 groups of 6 or 6 groups of 4). (CCSS 4.OA.A.1)

M.4.OA.2

* I can multiply or divide to solve word problems by using drawings or writing equations and solving for a missing number. (CCSS 4.OA.A.2)

M.4.OA.3

* I can determine how reasonable my answers to word problems are by using estimation, mental math and rounding. (CCSS 4.OA.A.3)

**I can become familiar with factors and multiples.**

M.4.OA.4

* I can find all factor pairs for a whole number from 1 to 100. (CCSS 4.OA.B.4)
* I can recognize a whole number as a multiple of each of its factors. (CCSS 4.OA.B.4)
* I can determine whether a whole number from 1 to 100 is a multiple of a given one-digit number. (CCSS 4.OA.B.4)
* I can determine whether a given whole number up to 100 is a prime or composite number. (CCSS 4.OA.B.4)

**I can create and analyze patterns.**

M.4.OA.5

* I can create a number or shape pattern that follows a given rule. (CCSS 4.OA.C.5)
* I can notice and point out different features of a pattern once it is created by a rule. (CCSS 4.OA.C.5)

**I can use place value to help me understand larger numbers.**

M.4.NBT.1

* I can recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right. (CCSS 4.NBT.A.1)

M.4.NBT.2

* I can read and write larger whole numbers using numerals, words and in expanded form. (CCSS 4.NBT.A.2)
* I can compare two larger numbers by using what I know about the values in each place. (CCSS 4.NBT.A.2)

M.4.NBT.3

* I can round larger whole numbers to any place. (CCSS 4.NBT.A.3)

**I can use what I know about place value and operations (+,-,x,÷) to solve problems with larger numbers.**

M.4.NBT.4

* I can add and subtract larger numbers. (CCSS 4.NBT.B.4)

M.4.NBT.5

* I can multiply a whole number up to four digits by a one-digit whole number. (CCSS 4.NBT.B.5)
* I can multiply two two-digit numbers. (CCSS 4.NBT.B.5)
* I can illustrate and explain how to multiply larger numbers by using equations, arrays or models. (CCSS 4.NBT.B.5)

M.4.NBT.6

* I can find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors. (CCSS 4.NBT.B.6)
* I can illustrate and explain how to divide larger numbers by using equations, arrays or models. (CCSS 4.NBT.B.6)

**I can improve my understanding of fractions.**

M.4.NF.1

* I can explain (and show models for) why multiplying a numerator and a denominator by the same number does not change the value of a fraction. (CCSS 4.NF.A.1)
* I can recognize and generate equivalent fractions based on my knowledge of numerators and denominators. (CCSS 4.NF.A.1)

M.4.NF.2

* I can compare two fractions with different numerators and different denominators by creating common denominators or numerators or by comparing them to a benchmark fraction like one-half. (CCSS 4.NF.A.2)
* I can recognize that comparisons of fractions are valid only when the two fractions refer to the same whole. (CCSS 4.NF.A.2)
* I can compare fractions using the symbols >, = and <, and justify the comparison by using models. (CCSS 4.NF.A.2)

**I can build fractions from unit fractions.**

M.4.NF.3

* I can understand a fraction a/b, with a > 1, as a sum of fractions 1/b. (CCSS 4.NF.B.3)
* I can understand addition and subtraction of fractions as joining and separating parts referring to the same whole. (CCSS 4.NF.B.3.A)
* I can decompose a fraction into a sum of fractions with the same denominator in more than one way and justify my work using models. (CCSS 4.NF.B.3.B)
* I can add and subtract mixed numbers with like denominators. (CCSS 4.NF.B.3.C)
* I can solve word problems involving addition and subtraction of fractions that refer to the same whole and that have like denominators. (CCSS 4.NF.B.3.D)

M.4.NF.4

* I can apply my understanding of multiplication to multiply a fraction by a whole number. (CCSS 4.NF.B.4)
* I can understand a fraction a/b as a multiple of 1/b (e.g., I know that 5/4 is the product of 5 x (1/4).) (CCSS 4.NF.B.4.A)
* I can understand a multiple of a/b as a multiple of 1/b and use that knowledge to multiply a fraction by a whole number (e.g., n x (a/b) = (n x a)/b). (CCSS 4.NF.B.4.B)
* I can understand a multiple of a/b as a multiple of 1/b and use that knowledge to multiply a fraction by a whole number (e.g., n x (a/b) = (n x a)/b). (CCSS 4.NF.B.4.B)
* I can solve word problems involving multiplication of a fraction by a whole number. (CCSS 4.NF.B.4.C)

**I can understand how fractions and decimals are related.**

M.4.NF.5

* I can show a fraction with a denominator of 10 as an equivalent fraction with a denominator of 100 in order to add the two fractions. (CCSS 4.NF.C.5)

M.4.NF.6

* I can use decimals to show fractions with denominators of 10 and 100. (CCSS 4.NF.C.6)

M.4.NF.7

* I can compare two decimals to hundredths by reasoning about their size and realizing that the comparison is only true if the two decimals refer to the same whole. (CCSS 4.NF.C.7)
* I can compare decimals using the symbols >, = and <, and justify the comparison by using models. (CCSS 4.NF.C.7)

**I can solve problems involving measurement and conversion of measurements.**

M.4.MD.1

* I can show that I know the relative size of measurement units within one system of units (including km, m, cm; kg, g; lb, oz; l, ml; hr, min, sec). (CCSS 4.MD.A.1)
* I can show the measurements in a larger unit in terms of smaller units and record these in a table. (CCSS 4.MD.A.1)

M.4.MD.2

* I can use the four operations (+, -, x, ÷) to solve word problems involving measurement. (CCSS 4.MD.A.2)
* I can solve measurement problems involving simple fractions and decimals. (CCSS 4.MD.A.2)
* I can solve problems that ask me to express measurements given in a larger unit in terms of a smaller unit. (CCSS 4.MD.A.2)
* I can show measurement quantities using diagrams that involve a measurement scale (e.g., a number line). (CCSS 4.MD.A.2)

M.4.MD.3

* I can use what I know about area and perimeter to solve real world problems involving rectangles. (CCSS 4.MD.A.3)

**I can represent and interpret data measurements.**

M.4.MD.4

* I can make a line plot to show a data set of measurements involving fractions. (CCSS 4.MD.B.4)
* I can solve problems involving addition and subtraction of fractions by using information shown in line plots. (CCSS 4.MD.B.4)

**I can understand the concept of measurement in geometry with regards to angles.**

M.4.MD.5

* I can recognize angles as geometric shapes where two rays share a common endpoint. (CCSS 4.MD.C.5)
* I can understand concepts of angle measurement. (CCSS 4.MD.C.5)
* I can understand that angles are measured with reference to a 360°circle, with its center at the common endpoint of the rays. (CCSS 4.MD.C.5.A)
* I can understand that an angle that turns through n one-degree angles is said to have an angle measurement of n degrees. (CCSS 4.MD.C.5.B)

M.4.MD.6

* I can use a protractor to measure and sketch angles in whole-number degrees. (CCSS 4.MD.C.6)

M.4.MD.7

* I can solve real-world and mathematical addition and subtraction problems to find unknown angles. (CCSS 4.MD.C.7)

**I can use geometry to help me understand math.**

M.4.G.1

* I can identify and draw points, lines, line segments, rays, angles (right, acute, obtuse) and perpendicular & parallel lines. (CCSS 4.G.A.1)

M.4.G.2

* I can classify two-dimensional shapes based on the presence or absence of parallel or perpendicular lines. (CCSS 4.G.A.2)
* I can classify two-dimensional shapes based on the presence or absence of angles of a specified size (CCSS 4.G.A.2)
* I can recognize and identify right triangles. (CCSS 4.G.A.2)

M.4.G.3

* I can recognize, identify and draw lines of symmetry for two-dimensional figures. (CCSS 4.G.A.3)