# CCSS Mathematics "I Can" Standards
## Operations & Algebraic Thinking
## Fourth Grade

| Indicator | Date Taught | Date Retaught | Date Reviewed | Date Assessed | Date Re-Assessed |
|---|---|---|---|---|---|
| **Use the four operations with whole numbers to solve problems.** | | | | | |
| CCSS.MATH.CONTENT.4.OA.A.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.MATH.CONTENT.4.OA.A.2 I can multiply or divide to solve word problems by using drawings or writing equations and solving for a missing number. | | | | | |
| CCSS.MATH.CONTENT.4.OA.A.3 I can use what I know about addition, subtraction, multiplication and division to solve multi-step word problems involving whole numbers. | | | | | |
| CCSS.MATH.CONTENT.4.OA.A.3 I can represent word problems by using equations with a letter standing for the unknown number. | | | | | |
| CCSS.MATH.CONTENT.4.OA.A.3 I can determine how reasonable my answers to word problems are by using estimation, mental math and rounding. | | | | | |
| **Gain familiarity with factors and multiples.** | | | | | |
| CCSS.MATH.CONTENT.4.OA.B.4 I can find all factor pairs for a whole number from 1 to 100. | | | | | |
| CCSS.MATH.CONTENT.4.OA.B.4 I can recognize a whole number as a multiple of each of its factors. | | | | | |
| CCSS.MATH.CONTENT.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.MATH.CONTENT.4.OA.B.4 I can determine whether a given whole number up to 100 is a prime or composite number. | | | | | |
| **Generate and analyze patterns.** | | | | | |
| CCSS.MATH.CONTENT.4.OA.C.5 I can create a number or shape pattern that follows a given rule. | | | | | |
| CCSS.MATH.CONTENT.4.OA.C.5 I can notice and point out different features of a pattern once it is created by a rule. | | | | | |

# CCSS Mathematics "I Can" Standards
## Number & Operations in Base Ten
## Fourth Grade

| Indicator | Date Taught | Date Retaught | Date Reviewed | Date Assessed | Date Re-Assessed |
|---|---|---|---|---|---|
| **Generalize place value understanding for** | | | | | |
| CCSS.MATH.CONTENT.4.NBT.A.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.MATH.CONTENT.4.NBT.A.2 I can read and write larger whole numbers using numerals, words and in expanded form. | | | | | |
| CCSS.MATH.CONTENT.4.NBT.A.2 I can compare two larger numbers by using what I know about the values in each place. symbols to show the comparison. | | | | | |
| CCSS.MATH.CONTENT.4.NBT.A.2 I can compare two larger numbers and use the symbols >, = and < to show the comparison. | | | | | |
| CCSS.MATH.CONTENT.4.NBT.A.3 I can round larger whole numbers to any place. | | | | | |
| **Use place value understanding and properties of operations to perform multi-digit arithmetic.** | | | | | |
| CCSS.MATH.CONTENT.4.NBT.B.4 I can add and subtract larger numbers | | | | | |
| CCSS.MATH.CONTENT.4.NBT.B.5 I can multiply a whole number up to four digits by a one-digit whole number. | | | | | |
| CCSS.MATH.CONTENT.4.NBT.B.5 I can multiply two two-digit numbers. | | | | | |
| CCSS.MATH.CONTENT.4.NBT.B.5 I can illustrate and explain how to multiply larger numbers by using equations, arrays or models. | | | | | |
| CCSS.MATH.CONTENT.4.NBT.B.6 I can find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors. | | | | | |
| CCSS.MATH.CONTENT.4.NBT.B.6 I can illustrate and explain how to divide larger numbers by using equations, arrays or models. | | | | | |

# CCSS Mathematics "I Can" Standards
# Number & Operations - Fractions
# Fourth Grade

| Indicator | Date Taught | Date Retaught | Date Reviewed | Date Assessed | Date Re-Assessed |
|---|---|---|---|---|---|
| **Extend understanding of fraction equivalence and ordering.** | | | | | |
| CCSS.MATH.CONTENT.4.NF.A.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.MATH.CONTENT.4.NF.A.1 I can recognize and generate equivalent fractions based on my knowledge of numerators and denominators. | | | | | |
| CCSS.MATH.CONTENT.4.NF.A.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.MATH.CONTENT.4.NF.A.2 I can recognize that comparisons of fractions are valid only when the two fractions refer to the same whole. | | | | | |
| CCSS.MATH.CONTENT.4.NF.A.2 I can compare fractions using the symbols >, = and <, and justify the comparison by using models. | | | | | |
| **Build fractions from unit fractions.** | | | | | |
| CCSS.MATH.CONTENT.4.NF.B.3 I can understand a fraction a/b, with a > 1, as a sum of fractions 1/b. | | | | | |
| CCSS.MATH.CONTENT.4.NF.B.3.A I can understand addition and subtraction of fractions as joining and separating parts referring to the same whole. | | | | | |
| CCSS.MATH.CONTENT.4.NF.B.3.B 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.MATH.CONTENT.4.NF.B.3.C I can add and subtract mixed numbers with like denominators. | | | | | |
| CCSS.MATH.CONTENT.4.NF.B.3.D I can solve word problems involving addition and subtraction of fractions that refer to the same whole and that have like denominators. | | | | | |

| Indicator | Date Taught | Date Retaught | Date Reviewed | Date Assessed | Date Re-Assessed |
|---|---|---|---|---|---|
| **Build fractions from unit fractions. (Continued)** | | | | | |
| CCSS.MATH.CONTENT.4.NF.B.4 I can apply my understanding of multiplication to multiply a fraction by a whole number. | | | | | |
| CCSS.MATH.CONTENT.4.NF.B.4.A 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.MATH.CONTENT.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.MATH.CONTENT.4.NF.B.4.C I can solve word problems involving multiplication of a fraction by a whole number. | | | | | |
| **Understand decimal notation for fractions, and compare decimal fractions.** | | | | | |
| CCSS.MATH.CONTENT.4.NF.C.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.MATH.CONTENT.4.NF.C.6 I can use decimals to show fractions with denominators of 10 and 100. | | | | | |
| CCSS.MATH.CONTENT.4.NF.C.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.MATH.CONTENT.4.NF.C.7 I can compare decimals using the symbols >, = and <, and justify the comparison by using models. | | | | | |

# CCSS Mathematics "I Can" Standards
## Measurement & Data
## Fourth Grade

| Indicator | Date Taught | Date Retaught | Date Reviewed | Date Assessed | Date Re-Assessed |
|---|---|---|---|---|---|
| **Solve problems involving measurement and conversion of measurements.** | | | | | |
| CCSS.MATH.CONTENT.4.MD.A.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.MATH.CONTENT.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.MATH.CONTENT.4.MD.A.2 I can use the four operations (+, -, x, ÷) to solve word problems involving measurement. | | | | | |
| CCSS.MATH.CONTENT.4.MD.A.2 I can solve measurement problems involving simple fractions and decimals. | | | | | |
| CCSS.MATH.CONTENT.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.MATH.CONTENT.4.MD.A.2 I can show measurement quantities using diagrams that involve a measurement scale (e.g., a number line). | | | | | |
| CCSS.MATH.CONTENT.4.MD.A.3 I can use what I know about area and perimeter to solve real world problems involving rectangles. | | | | | |
| **Represent and interpret data.** | | | | | |
| CCSS.MATH.CONTENT.4.MD.B.4 I can make a line plot to show a data set of measurements involving fractions. | | | | | |
| CCSS.MATH.CONTENT.4.MD.B.4 I can solve problems involving addition and subtraction of fractions by using information shown in line plots. | | | | | |

| Indicator | Date Taught | Date Retaught | Date Reviewed | Date Assessed | Date Re-Assessed |
|---|---|---|---|---|---|
| **Geometric Measurement: understand concepts of angle and measure angles.** | | | | | |
| CCSS.MATH.CONTENT.4.MD.C.5 I can recognize angles as geometric shapes where two rays share a common endpoint. | | | | | |
| CCSS.MATH.CONTENT.4.MD.C.5 I can understand concepts of angle measurement. | | | | | |
| CCSS.MATH.CONTENT.4.MD.C.5.A I can understand that angles are measured with reference to a 360°circle, with its center at the common endpoint of the rays. | | | | | |
| CCSS.MATH.CONTENT.4.MD.C.5.B I can understand that an angle that turns through n one-degree angles is said to have an angle measurement of n degrees. | | | | | |
| CCSS.MATH.CONTENT.4.MD.C.6 I can use a protractor to measure and sketch angles in whole-number degrees. | | | | | |
| CCSS.MATH.CONTENT.4.MD.C.7 I can solve real-world and mathematical addition and subtraction problems to find unknown angles. | | | | | |

# CCSS Mathematics "I Can" Standards
# Geometry
# Fourth Grade

| Indicator | Date Taught | Date Retaught | Date Reviewed | Date Assessed | Date Re-Assessed |
|---|---|---|---|---|---|
| **Draw and identify lines and angles, and classify shapes by properties of their lines and angles.** | | | | | |
| CCSS.MATH.CONTENT.4.G.A.1 I can identify and draw points, lines, line segments, rays, angles and perpendicular & parallel lines. | | | | | |
| CCSS.MATH.CONTENT.4.G.A.2 I can classify two-dimensional shapes based on what I know about their geometrical attributes. | | | | | |
| CCSS.MATH.CONTENT.4.G.A.2 I can recognize and identify right triangles. | | | | | |
| CCSS.MATH.CONTENT.4.G.A.3 I can recognize, identify and draw lines of symmetry. | | | | | |