

| Concept | TEKS Standard | Common Core Standard |
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| Grade 4 | | |
| Place Value | 4.02B represent the value of the digit in whole numbers through 1,000,000,000 and decimals to the hundredths using expanded notation and numerals | 4.NBT.A.2 Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form. Compare two multi-digit numbers based on meanings of the digits in each place, using $>$, $=$, and $<$ symbols to record the results of comparisons. |
| Decimals to Fractions | 4.02G relate decimals to fractions that name tenths and hundredths | 4.NF.C.6 Use decimal notation for fractions with denominators 10 or 100. |
| Compare Fractions | 4.03D compare two fractions with different numerators and different denominators and represent the comparison using the symbols $>$, $=$, or $<$ | 5.NF.A.2 Solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators, e.g., by using visual fraction models or equations to represent the problem. Use benchmark fractions and number sense of fractions to estimate mentally and assess the reasonableness of answers. |
| Addition Fractions | 4.03E represent and solve addition and subtraction of fractions with equal denominators using objects and pictorial models that build to the number line and properties of operations | 4.NF.B.3.C Add and subtract mixed numbers with like denominators, e.g., by replacing each mixed number with an equivalent fraction, and/or by using properties of operations and the relationship between addition and subtraction. |
| Subtraction Fractions | 4.03E represent and solve addition and subtraction of fractions with equal denominators using objects and pictorial models that build to the number line and properties of operations | 4.NF.B.3.C Add and subtract mixed numbers with like denominators, e.g., by replacing each mixed number with an equivalent fraction, and/or by using properties of operations and the relationship between addition and subtraction. |
| Addition | 4.04A add and subtract whole numbers and decimals to the hundredths place using the standard algorithm | 4.NBT.B.4 Fluently add and subtract multi-digit whole numbers using the standard algorithm. |
| Subtraction | 4.04A add and subtract whole numbers and decimals to the hundredths place using the standard algorithm | 4.NBT.B.4 Fluently add and subtract multi-digit whole numbers using the standard algorithm. |
| Multiplication | 4.04H solve with fluency one- and two-step problems involving multiplication and division, including interpreting remainders | 4.OA.A.1 Interpret a multiplication equation as a comparison, e.g., interpret $35 = 5 \times 7$ as a statement that 35 is 5 times as many as 7 and 7 times as many as 5. Represent verbal statements of multiplicative comparisons as multiplication equations. 4.OA.A.2 Multiply or divide to solve word problems involving multiplicative comparison, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem, distinguishing multiplicative comparison from additive comparison. |
| Division | 4.04H solve with fluency one- and two-step problems involving multiplication and division , including interpreting remainders | 4.OA.A.2 Multiply or divide to solve word problems involving multiplicative comparison, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem, distinguishing multiplicative comparison from additive comparison. |
| Four Operations | 4.05A represent multi-step problems involving the four operations with whole numbers using strip diagrams and equations with a letter standing for the unknown quantity | 4.OA.A.3 Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding. |

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| Grade 4 cont. | | |
| Input-Output Table | 4.05B represent problems using an input-output table and numerical expressions to generate a number pattern that follows a given rule representing the relationship of the values in the resulting sequence and their position in the sequence | 4.OA.C.5 Generate a number or shape pattern that follows a given rule. Identify apparent features of the pattern that were not explicit in the rule itself. |
| Perimeter and Area | 4.05D solve problems related to perimeter and area of rectangles where dimensions are whole numbers | 4.MD.A.3 Apply the area and perimeter formulas for rectangles in real world and mathematical problems. |
| Parallel and Perpendicular Figures | 4.06D classify two-dimensional figures based on the presence or absence of parallel or perpendicular lines or the presence or absence of angles of a specified size | 4.G.A.2 Classify two-dimensional figures based on the presence or absence of parallel or perpendicular lines, or the presence or absence of angles of a specified size. Recognize right triangles as a category, and identify right triangles. |
| Angles | 4.07C determine the approximate measures of angles in degrees to the nearest whole number using a protractor | 4.MD.C.6 Measure angles in whole-number degrees using a protractor. Sketch angles of specified measure. |
| Measurement | 4.08C solve problems that deal with measurements of length, intervals of time, liquid volumes, mass, and money using addition, subtraction, multiplication, or division as appropriate | 4.MD.A.2 Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money, including problems involving simple fractions or decimals, and problems that require expressing measurements given in a larger unit in terms of a smaller unit. Represent measurement quantities using diagrams such as number line diagrams that feature a measurement scale. |
| Graphs | 4.09A represent data on a frequency table, dot plot, or stem-and-leaf plot marked with whole numbers and fractions | 4.MD.B.4 Make a line plot to display a data set of measurements in fractions of a unit ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$). Solve problems involving addition and subtraction of fractions by using information presented in line plots. |