

Grade 4 Reporting Standards Descriptions

Mathematics	Mathematics	English Language Arts	English Language Arts	English Language Arts	English Language Arts
Operations and Algebraic Thinking and Number and Operations in Base Ten	Number and Operations- Fractions	Reading: Foundational Skills	Reading: Informational Text	Writing	Language Standards
<p>Solving With Multiplication</p> <ul style="list-style-type: none"> Interprets multiplication equations as comparisons and represents statements of multiplicative comparisons as multiplicative equations. Distinguishes multiplicative comparisons. Uses multiplication or division to solve word problems involving multiplicative comparisons. Uses a symbol for the unknown number. 	<p>Fractions and Decimals</p> <ul style="list-style-type: none"> Compares decimals to hundredths; uses decimal notations for fractions (tenths and hundredths); compares fractions, with like or unlike numerators and denominators, by creating equivalent fractions with common denominators, comparing to a benchmark fraction and generating equivalent fractions. Recognizes that decimals and fractions must refer to the same whole in order to compare. Shows results using symbols. Demonstrates the use of conceptual understanding of fractional equivalence and ordering when solving simple word problems requiring fraction comparison. Adds fractions with denominators of 10 and 100.* 	<p>Phonics and Word Recognition</p> <ul style="list-style-type: none"> Know and apply grade-level phonics and word analysis skills in decoding multisyllabic words, in and out of context. 	<p>Key Ideas and Details</p> <ul style="list-style-type: none"> Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text. Summarize text Determine the main idea of a text and explain how it is supported by key details Explain events, procedures, ideas, or concepts in a historical, scientific or technical text, based on specific information in the text 	<p>Types and Purposes: Narrative</p> <ul style="list-style-type: none"> Establish a situation, introduce a narrator and/or characters, and organize an event sequence Use dialogue and description to develop experiences and events or show the responses of characters to situations Use of variety of transitional words to manage the sequence of events Use concrete words and phrases and sensory details to convey experiences and events precisely Provide a conclusion 	<p>Conventions of Standard English</p> <ul style="list-style-type: none"> Use parts of speech correctly (including relative pronouns, progressive verb tenses, and prepositional phrases). Produce complete sentences, recognizing/correcting fragments and run-ons Order adjectives within sentences according to conventional patterns. Correctly use frequently confused words (e.g., to, too, two; there, their, they're). Use Standard English capitalization, punctuation, and spelling when writing.
<p>Multi-Step Problems</p> <ul style="list-style-type: none"> Solves multiple-step word and other problems using the four operations with whole numbers; in multiplying a three- or four-digit by a one-digit number or two two-digit numbers. Finds whole number quotients and remainders with up to four-digit dividends and one-digit divisors and interprets remainders as appropriate. Chooses from a variety of strategies to solve these problems. 	<p>Building Fractions</p> <ul style="list-style-type: none"> Understands and solves mathematical and word problems involving the addition and subtraction of fractions and mixed numbers with like denominators by joining and separating parts referring to the same whole. Decomposes a fraction into a sum of fractions with the same denominator in more than one way and records the decomposition using an equation.* 	<p>Fluency</p> <ul style="list-style-type: none"> Read grade level texts for specific purposes with understanding; Read different types of texts with accuracy and expression; Use context to support understanding of words, sentences, and passages. 	<p>Craft and Structure</p> <ul style="list-style-type: none"> Determine the meaning of specific words or phrases in a text relevant to a grade 4 topic or subject area Describe the structure of a text (chronology, comparison, cause/effect, problem/solution) Compare and contrast a firsthand and secondhand account of the same event or topic 	<p>Production and Distribution</p> <ul style="list-style-type: none"> Plan, write, revise, edit, and publish writing appropriate to task and purpose Use technology to produce and publish Demonstrate sufficient command of keyboarding skills to type a minimum of one page in a single setting 	<p>Knowledge of Language</p> <ul style="list-style-type: none"> Use knowledge of language conventions to support writing, speaking, reading, or listening Choose precise words and phrases when writing and/or speaking Choose punctuation for effect. Differentiate between contexts that call for formal/informal English
<p>Place Value</p> <ul style="list-style-type: none"> In any multi-digit whole number, recognizes a digit in one place represents 10 times as much as it represents in the place to its right. Reads, writes and compares multi-digit whole numbers using base-10 numerals, number names in expanded form and inequality symbols (>, <, =), and rounds to any place. Performs computations by applying conceptual understanding of place value, rather than by applying multi-digit algorithms. 	<p>Multiplying Fractions</p> <ul style="list-style-type: none"> Understands and solves mathematical and real-world problems by recognizing that fraction a/b is a multiple of 1/b and uses that construct to multiply a fraction by a whole number. 	<p>Reading: Literature</p>	<p>Integration of Knowledge and Ideas</p> <ul style="list-style-type: none"> Interpret information presented visually, orally, or quantitatively using informational text features and explain how the information contributes to an understanding of the text Explain how an author uses reasons and evidence to support particular points in a text Integrate information from two texts on the same topic 	<p>Research to Build and Present Knowledge</p> <ul style="list-style-type: none"> Conduct short research projects that support content learning Recall relevant information from experiences or gather relevant information from print and digital sources, take notes and categorize information, and provide a list of sources. Draw evidence from literary or informational texts to support analysis, reflection, and research Apply grade 4 reading standards to literature and informational texts 	<p>Vocabulary Acquisition and Use</p> <ul style="list-style-type: none"> Determine or clarify the meaning of unknown or multiple-meaning words using context clues and/or reference materials (print and/or digital). Use common grade appropriate Greek and Latin affixes and roots as clues to word meaning. Understand figurative language, word relationships, and nuances in word meanings. Use and interpret academic and domain specific words and phrases.
<p>Operations and Factors</p> <ul style="list-style-type: none"> Recognizes that a whole number is a multiple of each of its factors, within the range of 1-100 finds factor pairs, can find ALL of the factor pairs for numbers in the range of 1-50 AND determines multiples of whole numbers. Determines whether a whole number in the range 1-100 is prime or composite. 	<p>Measurement and Data</p>	<p>Key Ideas and Details</p> <ul style="list-style-type: none"> Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text. Summarize text Determine a theme of a story, drama or poem from details in the text Describe in depth a character, setting, or events using specific details in the text 	<p>Range of Reading and Level of Text Complexity</p> <ul style="list-style-type: none"> Independently read challenging informational text (Grade 4/5) with understanding 	<p>Range of Writing</p> <ul style="list-style-type: none"> Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiences 	
<p>Generate and Analyze Patterns</p> <p>Generates a number or shape pattern that follows a given rule and identifies apparent features of the pattern that were not explicit in the rule itself.</p>	<p>Measurement and Conversion</p> <ul style="list-style-type: none"> Solves problems which include calculating area and perimeter - including those in which side lengths are missing- and simple fractions or decimals using all 4 operations. Records measurement equivalents in a two-column table. Uses knowledge of measurement units within one system to solve word problems, real-world problems and mathematical problems involving converting larger units to smaller units. Represents measurement quantities using diagrams such as number line diagrams that feature a measured scale. 	<p>Craft and Structure</p> <ul style="list-style-type: none"> Determine the meaning of words and phrases as they are used in a text (including mythology) Explain major differences between the structural elements of poems, drama and prose Compare and contrast different points of view (first- and third-person narratives) 	<p>Writing</p>	<p>Speaking and Listening</p>	
<p>Fluency</p> <ul style="list-style-type: none"> Accurately and in a timely manner adds or subtracts multi-digit whole numbers using the standard algorithm. Knows from memory 100 percent of the sums and differences on items in the allotted time on items which are timed. 	<p>Represent and Interpret Data</p> <ul style="list-style-type: none"> Makes a line plot to display a data set of measurements in fractions of a unit with like denominators of 2 or 4, and 8, and uses addition and subtraction of fractions to solve problems involving information in the line plots. 	<p>Integration of Knowledge and Ideas</p> <ul style="list-style-type: none"> Make connections between the text and a visual or oral presentation of the text Compare and contrast similar themes, topics, and events in literature (including stories, myths and traditional literature from different cultures) 	<p>Types and Purposes: Opinion</p> <ul style="list-style-type: none"> Introduce a topic clearly, state an opinion, and create an organizational structure in which related ideas are grouped to support the writer's purpose Provide reasons that are supported by facts and details Link opinion and reasons using transition words Provide a concluding statement 	<p>Comprehension and Collaboration</p> <ul style="list-style-type: none"> Engage effectively in a range of collaborative discussions with diverse partners, building on others' ideas and expressing their own clearly Come to discussions prepared, follow agreed-upon rules/roles, make comments that contribute to the discussion, explain new ideas and understandings Paraphrase text and/or visual information Identify the reasons and evidence a speaker provides to support particular points 	
<p>Geometry: Lines Angles and Shapes</p> <p>Draws and identifies points, lines, line segments, rays, angles (right, obtuse and acute), perpendicular lines, parallel lines, lines of symmetry and right triangles, and use any of these to classify two-dimensional figures.</p>	<p>Geometric Measurement</p> <ul style="list-style-type: none"> Recognizes how angles are formed and that angle measures are additive. Understands and applies concepts of angle measurement recognizing that angles are measured in reference to a circle. Uses a protractor to measure and sketch angles. Solves mathematical and real world problems by composing and decomposing angles with equations. 	<p>Range of Reading and Level of Text Complexity</p> <ul style="list-style-type: none"> Independently read challenging text (Grade 4/5) with understanding 	<p>Types and Purposes: Informative/Explanatory</p> <ul style="list-style-type: none"> Introduce a topic clearly and group related information in paragraphs; include formatting when useful to aid comprehension Develop the topic with facts, definitions, concrete details, quotations, or other information and examples related to the topic Link ideas using transition words Use precise language and vocabulary specific to the topic Provide a concluding statement 	<p>Presentation of Knowledge and Ideas</p> <ul style="list-style-type: none"> Use appropriate facts/relevant, descriptive details to support main ideas/ themes when reporting on a topic/text, telling a story, or recounting an experience. Add audio recordings and visual displays to presentations to enhance main ideas/themes. Knows when to use formal/informal English. 	