

GRADE 4

Pennsylvania Proficiency Levels/NASD Grading Guidelines for Reading and Writing

Advanced 90-100%

The Advanced Level reflects superior academic performance. Advanced work indicates an in-depth understanding and exemplary display of the skills included in the Pennsylvania Core Standards.

Proficient 80-89%

The Proficient Level reflects satisfactory academic performance. Proficient work indicates a solid understanding and adequate display of the skills included in the Pennsylvania Core Standards.

Basic 65-79%

The Basic Level reflects marginal academic performance. Basic work indicates a partial understanding and limited display of the skills included in the Pennsylvania Core Standards. This work is approaching proficient performance but has not yet reached it. There is a need for additional instructional opportunities and/or increased student academic commitment to achieve the Proficient Level.

Below Basic 64% and below

The Below Basic Level reflects inadequate academic performance. Below Basic work indicates little understanding and minimal display of the skills included in the Pennsylvania Core Standards. There is a major need for additional instructional opportunities and/or increased student academic commitment to achieve the Proficient Level.

Explanation of Writing Descriptors

Focus

The single controlling point made with an awareness of the writing task (narrative, persuasive, or informational) regarding a specific topic.

Content

The presence of ideas developed through facts, examples, anecdotes, details, opinions, statistics, reasons, and/or explanations.

Organization

The order developed and sustained within and across paragraphs using transitional devices including introduction and conclusion.

Style

The choice, use, and arrangement of words and sentence structures that create tone and voice

Conventions

The use of grammar, punctuation, capitalization, spelling, usage and sentence formation used in a written work.

Explanation of Math Descriptors by PA Core Standards

Computation and Estimation:

CC.2.1.4.B.2 Use place-value understanding and properties of operations to perform multi-digit arithmetic.

Number Concepts:

CC.2.1.4.B.1 Apply place-value concepts to show and understanding of multi-digit whole numbers.

CC.2.1.4.C.1 Extend the understanding of fractions to show equivalence and ordering.

CC.2.1.4.C.2 Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.

CC.2.1.4.C.3 Connect decimal notation to fractions, and compare decimal fractions (base 10 denominator, e.g. $19/100$).

CC.2.2.4.A.2 Develop and/or apply number theory concepts to find factors and multiples.

CC.2.2.4.A.4 Generate and analyze patterns using one rule.

Problem Solving:

CC.2.2.4.A.1 Represent and solve problems involving the four operations.

CC.2.4.4.A.1 Solve problems involving measurement and conversions from a larger unit to a smaller unit.

Graphing:

CC.2.4.4.A.2 Translate information from one type of data display to another.

CC.2.4.4.A.4 Represent and interpret data involving fractions using information provided in a line plot.

Geometry:

CC.2.3.4.A.1 Draw lines and angles and identify these in two-dimensional figures.

CC.2.4.4.A.6 Measure angles and use properties of adjacent angles to solve problems.

CC.2.3.4.A.2 Classify two-dimensional figures by properties of their lines and angles.

CC.2.3.4.A.3 Recognize symmetric shapes and draw lines of symmetry.

Measurement:

CC.2.4.4.A.1 Solve problems involving measurement and conversions from a larger unit to a smaller unit.

You can also find this information on our website under **Parent Resources**; then, click on **Online Grades-Sapphire**; then, click on **Elementary Report Card Inform**; then, click on the main page the **Grade 4 Report Card Information**.

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Explanation of Math Descriptors by PA Core Standards

Computation and Estimation:

CC.2.2.3.A.1 Represent and solve problems involving multiplication and division.

CC.2.2.3.A.3 Demonstrate multiplication and division fluency.

Number Concepts:

CC.2.2.3.A.2 Understand properties of multiplication and the relationship between multiplication and division.

CC.2.1.3.B.1 Apply place-value understanding and properties of operations to perform multi-digit arithmetic.

CC.2.1.3.C.1 Explore and develop an understanding of fractions as numbers.

Problem Solving:

CC.2.2.3.A.1 Represent and solve problems involving multiplication and division.

CC.2.2.3.A.4 Solve problems involving the four operations, and identify and explain patterns in arithmetic.

Graphing:

CC.2.4.3.A.4 Represent and interpret data using tally charts, tables, pictographs, line plots, and bar graphs.

Geometry:

CC.2.3.3.A.1 Identify, compare, and classify shapes and their attributes.

CC.2.3.3.A.2 Use the understanding of fractions to partition shapes into parts with equal areas and express the area of each part as a unit fraction of the whole.

CC.2.4.3.A.6 Solve problems involving perimeters of polygons and distinguish between linear and area measures

CC.2.4.3.A.5 Determine the area of a rectangle and apply the concept to multiplication and addition.

Measurement:

CC.2.4.3.A.1 Solve problems involving measurement and estimation of temperature, liquid volume, mass, and length.

CC.2.4.3.A.2 Tell and write time to the nearest minute and solve problems by calculating time intervals.

CC.2.4.3.A.3 Solve problems and make change involving money using a combination of coins and bills.

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Explanation of Math Descriptors by PA Core Standards

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Explanation of Math Descriptors by PA Core Standards

Numbers and Operations in Base 10:

CC.2.1.5.B.1 Apply place-value concepts to show an understanding of operations and rounding as they pertain to whole numbers and decimals.

CC.2.1.5.B.2 Extend an understanding of operations with whole numbers to perform operations including decimals.

Numbers and Operations - Fractions:

CC.2.1.5.C.1 Use the understanding of equivalency to add and subtract fractions.

CC.2.1.5.C.2 Apply and extend previous understandings of multiplication and division to multiply and divide fractions.

Operations and Algebraic Thinking:

CC.2.2.5.A.4 Analyze patterns and relationships using two rules.

Geometry:

CC.2.3.5.A.1 Graph points in the first quadrant on the coordinate plane and interpret these points when solving real world and mathematical problems.

CC.2.3.5.A.2 Classify two-dimensional figures into categories based on an understanding of their properties.

Measurement and Data:

CC.2.4.5.A.1 Solve problems using conversions within a given measurement system.

CC.2.4.5.A.2 Represent and interpret data using appropriate scale.

CC.2.4.5.A.4 Solve problems involving computation of fractions using information provided in a line plot.

CC.2.4.5.A.5 Apply concepts of volume to solve problems and relate volume to multiplication and to addition.