

PENNSYLVANIA DEPARTMENT OF EDUCATION
Overview of Mathematics Assessment Anchors

MA. Numbers and Operations

MA.1 Demonstrate an understanding of numbers, ways of representing numbers, relationships among numbers and number systems.

MA.2 Understand the meanings of operations, use operations and understand how they relate to each other.

MA.3 Compute accurately and fluently and make reasonable estimates.

MB. Measurement

MB.1 Demonstrate an understanding of measurable attributes of objects and figures, and the units, systems and processes of measurement (not assessed at Grade 11).

MB.2 Apply appropriate techniques, tools and formulas to determine measurements.

MC. Geometry

MC.1 Analyze characteristics and properties of two- and three- dimensional geometric shapes and demonstrate understanding of geometric relationships.

MC.2 Identify and/or apply concepts of transformations or symmetry (not assessed at Grades 6, 7 or 11).

MC.3 Locate points or describe relationships using the coordinate plane (not assessed at Grade 3).

MD. Algebraic Concepts

MD.1 Demonstrate an understanding of patterns, relations and functions.

MD.2 Represent and/or analyze mathematical situations using numbers, symbols, words, tables and/or graphs.

MD.3 Analyze change in various contexts (not assessed at Grades 3, 4 or 8).

MD.4 Describe or use models to represent quantitative relationships (not assessed at Grade 3, 4, 5, 6 or 7).

ME. Data Analysis and Probability

ME.1 Formulate or answer questions that can be addressed with data and/or organize, display, interpret or analyze data.

ME.2 Select and/or use appropriate statistical methods to analyze data (not assessed at Grade 3).

ME.3 Understand and/or apply basic concepts of probability or outcomes.

ME.4 Develop and/or evaluate inferences and predictions or draw conclusions based on data or data displays (not assessed at Grades 3, 4, 5 or 6).

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Overview of Reading Assessment Anchors

GRADE 11

R11.A. Comprehension and Reading Skills

- R11.A.1 Understand Fiction Appropriate to Grade level
- R11.A.2 Understand Nonfiction Appropriate to Grade Level

R11.B. Interpretation and Analysis of Fictional and Nonfictional Text

- R11.B.1 Understand Components Within and Between Texts
- R11.B.2 Understand Literary Devices in Fictional and Nonfictional Text
- R11.B.3 Understand Concepts and Organization of Nonfictional Text

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Overview of Career Education & Work Standards

Career Awareness and Preparation 13.1.

- A. Abilities and Aptitudes*
- B. Personal Interests*
- C. Non-Traditional Workplace Roles*
- D. Local Career Preparation Opportunities*
- E. Career Selection Influences*
- F. Preparation for Careers*
- G. Career Plan Components*
- H. Relationship between Education and Career*

Career Retention and Advancement 13.3

- A. Work Habits*
- B. Cooperation and Teamwork*
- C. Group Interaction*
- D. Budgeting*
- E. Time Management*
- F. Workplace Changes*
- G. Lifelong Learning*

Career Acquisition (Getting a Job) 13.2.

- A. Interviewing Skills*
- B. Resources*
- C. Career Acquisition Documents*
- D. Career Planning Portfolios*
- E. Career Acquisition Process*

Entrepreneurship 13.4.

- A. Risks and Rewards*
- B. Character Traits*
- C. Business Plan*