

Pennsylvania Tutorials are designed specifically for the Pennsylvania Core Standards and the Pennsylvania Academic Standards to prepare students for the Keystone Exams and the Pennsylvania System of School Assessment (PSSA).

Math Tutorials offer targeted instruction, practice and review designed to develop computational fluency, deepen conceptual understanding, and apply mathematical practices. They automatically identify and address learning gaps down to elementary-level content, using adaptive remediation to bring students to grade-level no matter where they start. Students engage with the content in an interactive, feedback-rich environment as they progress through standards-aligned modules. By constantly honing the ability to apply their knowledge in abstract and real world scenarios, students build the depth of knowledge and higher order skills required to demonstrate their mastery when put to the test.

In each module, the Learn It and Try It make complex ideas accessible to students through focused content, modeled logic and process, multi-modal representations, and personalized feedback as students reason through increasingly challenging problems. The Review It offers a high impact summary of key concepts and relates those concepts to students' lives. The Test It assesses students' mastery of the module's concepts, providing granular performance data to students and teachers after each attempt. To help students focus on the content most relevant to them, unit-level pretests and posttests can quickly identify where students are strong and where they're still learning.

Unit 1: Real Number System

• LAWS OF EXPONENTS

- CC.2.2.HS.D.2: Algebraic Concepts Algebra Write expressions in equivalent forms to solve problems.
- CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.
- CC.2.1.HS.F.1: Numbers and Operations Number and Quantity Apply and extend the properties of exponents to solve problems with rational exponents.

• OPERATIONS ON RATIONAL AND IRRATIONAL NUMBERS

- CC.2.1.HS.F.2: Numbers and Operations Number and Quantity Apply properties of rational and irrational numbers to solve real world or mathematical problems.

• MONITORING PRECISION AND ACCURACY

- CC.2.1.HS.F.3: Numbers and Operations Number and Quantity Apply quantitative reasoning to choose and interpret units and scales in formulas, graphs, and data displays.
- CC.2.1.HS.F.4: Numbers and Operations Number and Quantity Use units as a way to understand problems and to guide the solution of multi-step problems.

- CC.2.1.HS.F.5: Numbers and Operations Number and Quantity Choose a level of accuracy appropriate to limitations on measurement when reporting quantities.

Unit 2: Expressions and Literal Equations

• FORMULATING AND SIMPLIFYING ALGEBRAIC EXPRESSIONS

- CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.
- CC.2.2.HS.D.1: Algebraic Concepts Algebra Interpret the structure of expressions to represent a quantity in terms of its context.
- CC.2.2.HS.D.2: Algebraic Concepts Algebra Write expressions in equivalent forms to solve problems.
- CC.2.2.HS.D.3: Algebraic Concepts Algebra Extend the knowledge of arithmetic operations and apply to polynomials.

• AXIOMS OF EQUALITY

- CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.
- CC.2.2.HS.D.9: Algebraic Concepts Algebra Use reasoning to solve equations and justify the solution method.

• LITERAL EQUATIONS

- CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.
- CC.2.2.HS.D.8: Algebraic Concepts Algebra Apply inverse operations to solve equations or formulas for a given variable.

Unit 3: Equations and Inequalities

• ONE-STEP EQUATIONS AND INEQUALITIES

- CC.2.2.HS.D.7: Algebraic Concepts Algebra Create and graph equations or inequalities to describe numbers or relationships.
- CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.
- CC.2.2.HS.D.9: Algebraic Concepts Algebra Use reasoning to solve equations and justify the solution method.
- CC.2.2.HS.D.8: Algebraic Concepts Algebra Apply inverse operations to solve equations or formulas for a given variable.

• MULTI-STEP EQUATIONS AND INEQUALITIES

- CC.2.2.HS.D.7: Algebraic Concepts Algebra Create and graph equations or inequalities to describe numbers or relationships.

- CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.
- CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.
- CC.2.2.HS.D.9: Algebraic Concepts Algebra Use reasoning to solve equations and justify the solution method.
- CC.2.2.HS.D.2: Algebraic Concepts Algebra Write expressions in equivalent forms to solve problems.
- CC.2.2.HS.D.8: Algebraic Concepts Algebra Apply inverse operations to solve equations or formulas for a given variable.
- **FORMULATING AND SOLVING EQUATIONS FROM WORD PROBLEMS**
 - CC.2.2.HS.D.7: Algebraic Concepts Algebra Create and graph equations or inequalities to describe numbers or relationships.
 - CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.
 - CC.2.2.HS.C.5: Algebraic Concepts Functions Construct and compare linear, quadratic and exponential models to solve problems.
 - CC.2.2.HS.C.6: Algebraic Concepts Functions Interpret functions in terms of the situation they model.
 - CC.2.2.HS.C.1: Algebraic Concepts Functions Use the concept and notation of functions to interpret and apply them in terms of their context.
 - CC.2.2.HS.C.3: Algebraic Concepts Functions Write functions or sequences that model relationships between two quantities.
 - CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.
- **FORMULATING AND SOLVING INEQUALITIES FROM WORD PROBLEMS**
 - CC.2.2.HS.D.7: Algebraic Concepts Algebra Create and graph equations or inequalities to describe numbers or relationships.
 - CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.

Unit 4: Functions

- **FUNCTIONS AND RELATIONS**
 - CC.2.2.HS.C.1: Algebraic Concepts Functions Use the concept and notation of functions to interpret and apply them in terms of their context.
 - CC.2.2.HS.C.3: Algebraic Concepts Functions Write functions or sequences that model relationships between two quantities.

- CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.
 - CC.2.2.HS.C.6: Algebraic Concepts Functions Interpret functions in terms of the situation they model.
 - CC.2.2.HS.C.5: Algebraic Concepts Functions Construct and compare linear, quadratic and exponential models to solve problems.
 - CC.2.2.HS.D.7: Algebraic Concepts Algebra Create and graph equations or inequalities to describe numbers or relationships.
- **DOMAIN AND RANGE**
 - CC.2.2.HS.C.1: Algebraic Concepts Functions Use the concept and notation of functions to interpret and apply them in terms of their context.
 - CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.
 - CC.2.2.HS.C.6: Algebraic Concepts Functions Interpret functions in terms of the situation they model.
- **EVALUATING FUNCTIONS**
 - CC.2.2.HS.D.5: Algebraic Concepts Algebra Use polynomial identities to solve problems.
 - CC.2.2.HS.C.1: Algebraic Concepts Functions Use the concept and notation of functions to interpret and apply them in terms of their context.
 - CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.

Unit 5: Graphing Linear Equations and Inequalities

- **SLOPE**
 - CC.2.2.HS.D.7: Algebraic Concepts Algebra Create and graph equations or inequalities to describe numbers or relationships.
 - CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.
- **GRAPHING AND ANALYZING LINEAR FUNCTIONS**
 - CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.
 - CC.2.2.HS.C.5: Algebraic Concepts Functions Construct and compare linear, quadratic and exponential models to solve problems.
 - CC.2.2.HS.C.1: Algebraic Concepts Functions Use the concept and notation of functions to interpret and apply them in terms of their context.
 - CC.2.2.HS.C.3: Algebraic Concepts Functions Write functions or sequences that model relationships between two quantities.

- CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.
- **GRAPHING AND MANIPULATING $Y = MX + B$**
 - CC.2.2.HS.D.7: Algebraic Concepts Algebra Create and graph equations or inequalities to describe numbers or relationships.
 - CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.
 - CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.
 - CC.2.2.HS.C.3: Algebraic Concepts Functions Write functions or sequences that model relationships between two quantities.
 - CC.2.2.HS.C.6: Algebraic Concepts Functions Interpret functions in terms of the situation they model.
 - CC.2.2.HS.C.5: Algebraic Concepts Functions Construct and compare linear, quadratic and exponential models to solve problems.
- **GRAPHS OF LINEAR INEQUALITIES**
 - CC.2.2.HS.D.7: Algebraic Concepts Algebra Create and graph equations or inequalities to describe numbers or relationships.
 - CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.

Unit 6: Linear Equations

- **SLOPE-INTERCEPT FORM OF A LINEAR EQUATION**
 - CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.
 - CC.2.2.HS.C.5: Algebraic Concepts Functions Construct and compare linear, quadratic and exponential models to solve problems.
 - CC.2.2.HS.D.8: Algebraic Concepts Algebra Apply inverse operations to solve equations or formulas for a given variable.
 - CC.2.2.HS.D.7: Algebraic Concepts Algebra Create and graph equations or inequalities to describe numbers or relationships.
 - CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.
 - CC.2.2.HS.C.6: Algebraic Concepts Functions Interpret functions in terms of the situation they model.
- **POINT-SLOPE FORM OF A LINEAR EQUATION**

- CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.
- CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.
- CC.2.2.HS.C.5: Algebraic Concepts Functions Construct and compare linear, quadratic and exponential models to solve problems.
- CC.2.2.HS.D.7: Algebraic Concepts Algebra Create and graph equations or inequalities to describe numbers or relationships.

Unit 7: Linear Systems

- **SOLVING SYSTEMS OF LINEAR EQUATIONS: GUESS AND CHECK**

- CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.

- **SOLVING SYSTEMS OF LINEAR EQUATIONS: GRAPHING**

- CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.
- CC.2.2.HS.D.7: Algebraic Concepts Algebra Create and graph equations or inequalities to describe numbers or relationships.

- **SOLVING SYSTEMS OF LINEAR EQUATIONS: SUBSTITUTION**

- CC.2.2.HS.D.7: Algebraic Concepts Algebra Create and graph equations or inequalities to describe numbers or relationships.
- CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.

- **SOLVING SYSTEMS OF LINEAR EQUATIONS: ELIMINATION**

- CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.

- **SOLVING SYSTEMS OF LINEAR INEQUALITIES**

- CC.2.2.HS.D.7: Algebraic Concepts Algebra Create and graph equations or inequalities to describe numbers or relationships.
- CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.

- **SOLVING THREE-VARIABLE SYSTEMS OF LINEAR EQUATIONS**

- CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.

Unit 8: Exponential Functions, Equations, and Inequalities

- **EXPONENTIAL FUNCTIONS**

- CC.2.2.HS.C.5: Algebraic Concepts Functions Construct and compare linear, quadratic and exponential models to solve problems.
- CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.
- CC.2.2.HS.C.3: Algebraic Concepts Functions Write functions or sequences that model relationships between two quantities.
- CC.2.2.HS.D.7: Algebraic Concepts Algebra Create and graph equations or inequalities to describe numbers or relationships.
- **EXPONENTIAL GROWTH AND DECAY**
 - CC.2.2.HS.C.5: Algebraic Concepts Functions Construct and compare linear, quadratic and exponential models to solve problems.
 - CC.2.2.HS.C.6: Algebraic Concepts Functions Interpret functions in terms of the situation they model.
 - CC.2.2.HS.C.3: Algebraic Concepts Functions Write functions or sequences that model relationships between two quantities.
 - CC.2.2.HS.D.7: Algebraic Concepts Algebra Create and graph equations or inequalities to describe numbers or relationships.
- **SOLVING EXPONENTIAL INEQUALITIES**
 - CC.2.2.HS.D.7: Algebraic Concepts Algebra Create and graph equations or inequalities to describe numbers or relationships.
 - CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.
 - CC.2.2.HS.C.5: Algebraic Concepts Functions Construct and compare linear, quadratic and exponential models to solve problems.
 - CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.
 - CC.2.2.HS.C.6: Algebraic Concepts Functions Interpret functions in terms of the situation they model.

Unit 9: Sequences

- **SEQUENCES**
 - CC.2.2.HS.C.3: Algebraic Concepts Functions Write functions or sequences that model relationships between two quantities.
 - CC.2.2.HS.C.5: Algebraic Concepts Functions Construct and compare linear, quadratic and exponential models to solve problems.
- **ARITHMETIC AND GEOMETRIC SEQUENCES**

- CC.2.2.HS.C.3: Algebraic Concepts Functions Write functions or sequences that model relationships between two quantities.

Unit 10: Polynomials

• ADDITION AND SUBTRACTION OF POLYNOMIALS

- CC.2.2.HS.D.3: Algebraic Concepts Algebra Extend the knowledge of arithmetic operations and apply to polynomials.

• MULTIPLICATION OF POLYNOMIALS

- CC.2.2.HS.D.3: Algebraic Concepts Algebra Extend the knowledge of arithmetic operations and apply to polynomials.

• FACTORING QUADRATIC TRINOMIALS

- CC.2.2.HS.C.5: Algebraic Concepts Functions Construct and compare linear, quadratic and exponential models to solve problems.
- CC.2.2.HS.D.2: Algebraic Concepts Algebra Write expressions in equivalent forms to solve problems.
- CC.2.2.HS.D.3: Algebraic Concepts Algebra Extend the knowledge of arithmetic operations and apply to polynomials.

• FACTORING SPECIAL CASES

- CC.2.2.HS.D.2: Algebraic Concepts Algebra Write expressions in equivalent forms to solve problems.
- CC.2.2.HS.D.5: Algebraic Concepts Algebra Use polynomial identities to solve problems.

Unit 11: Graphs of Quadratic Functions

• ANALYZING GRAPHS OF QUADRATIC FUNCTIONS

- CC.2.2.HS.C.4: Algebraic Concepts Functions Interpret the effects transformations have on functions and find the inverses of functions.
- CC.2.2.HS.D.7: Algebraic Concepts Algebra Create and graph equations or inequalities to describe numbers or relationships.
- CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.
- CC.2.2.HS.C.5: Algebraic Concepts Functions Construct and compare linear, quadratic and exponential models to solve problems.
- CC.2.2.HS.C.6: Algebraic Concepts Functions Interpret functions in terms of the situation they model.
- CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.

- CC.2.2.HS.D.4: Algebraic Concepts Algebra Understand the relationship between zeros and factors of polynomials to make generalizations about functions and their graphs.
- **REPRESENTATIONS OF QUADRATIC FUNCTIONS**
- CC.2.2.HS.D.7: Algebraic Concepts Algebra Create and graph equations or inequalities to describe numbers or relationships.
- CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.
- CC.2.2.HS.C.5: Algebraic Concepts Functions Construct and compare linear, quadratic and exponential models to solve problems.
- CC.2.2.HS.C.6: Algebraic Concepts Functions Interpret functions in terms of the situation they model.
- CC.2.2.HS.C.3: Algebraic Concepts Functions Write functions or sequences that model relationships between two quantities.

Unit 12: Solving Quadratic Equations

- **QUADRATIC FUNCTIONS**
- CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.
- CC.2.2.HS.C.3: Algebraic Concepts Functions Write functions or sequences that model relationships between two quantities.
- CC.2.2.HS.C.6: Algebraic Concepts Functions Interpret functions in terms of the situation they model.
- CC.2.2.HS.C.5: Algebraic Concepts Functions Construct and compare linear, quadratic and exponential models to solve problems.
- **SOLVING QUADRATIC FUNCTIONS WITH FACTORING**
- CC.2.2.HS.C.3: Algebraic Concepts Functions Write functions or sequences that model relationships between two quantities.
- CC.2.2.HS.C.5: Algebraic Concepts Functions Construct and compare linear, quadratic and exponential models to solve problems.
- CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.
- CC.2.2.HS.D.4: Algebraic Concepts Algebra Understand the relationship between zeros and factors of polynomials to make generalizations about functions and their graphs.
- CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.
- CC.2.2.HS.D.7: Algebraic Concepts Algebra Create and graph equations or inequalities to describe numbers or relationships.

- CC.2.2.HS.D.3: Algebraic Concepts Algebra Extend the knowledge of arithmetic operations and apply to polynomials.

- **COMPLETING THE SQUARE**

- CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.
- CC.2.2.HS.D.2: Algebraic Concepts Algebra Write expressions in equivalent forms to solve problems.
- CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.
- CC.2.2.HS.C.5: Algebraic Concepts Functions Construct and compare linear, quadratic and exponential models to solve problems.

- **QUADRATIC FORMULA**

- CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.
- CC.2.2.HS.C.5: Algebraic Concepts Functions Construct and compare linear, quadratic and exponential models to solve problems.
- CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.

Unit 13: Working with Functions

- **LINEAR VERSUS NONLINEAR FUNCTIONS**

- CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.
- CC.2.2.HS.C.5: Algebraic Concepts Functions Construct and compare linear, quadratic and exponential models to solve problems.
- CC.2.2.HS.C.6: Algebraic Concepts Functions Interpret functions in terms of the situation they model.

- **ABSOLUTE VALUE FUNCTIONS**

- CC.2.2.HS.D.10: Algebraic Concepts Algebra Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.
- CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.

- **MULTIPLE REPRESENTATIONS OF FUNCTIONS**

- CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.
- CC.2.2.HS.C.5: Algebraic Concepts Functions Construct and compare linear, quadratic and exponential models to solve problems.

- CC.2.2.HS.C.6: Algebraic Concepts Functions Interpret functions in terms of the situation they model.

- **INVERSE FUNCTIONS**

- CC.2.2.HS.C.4: Algebraic Concepts Functions Interpret the effects transformations have on functions and find the inverses of functions.

Unit 14: Parent Functions and Transformations

- **LINEAR AND EXPONENTIAL PARENT FUNCTIONS**

- CC.2.2.HS.D.7: Algebraic Concepts Algebra Create and graph equations or inequalities to describe numbers or relationships.
- CC.2.2.HS.C.5: Algebraic Concepts Functions Construct and compare linear, quadratic and exponential models to solve problems.
- CC.2.2.HS.C.2: Algebraic Concepts Functions Graph and analyze functions and use their properties to make connections between the different representations.

- **QUADRATIC PARENT FUNCTION**

- CC.2.2.HS.D.7: Algebraic Concepts Algebra Create and graph equations or inequalities to describe numbers or relationships.
- CC.2.2.HS.C.5: Algebraic Concepts Functions Construct and compare linear, quadratic and exponential models to solve problems.

- **TRANSFORMATIONS OF THE LINEAR AND EXPONENTIAL PARENT FUNCTIONS**

- CC.2.2.HS.C.4: Algebraic Concepts Functions Interpret the effects transformations have on functions and find the inverses of functions.

- **TRANSFORMATIONS OF THE QUADRATIC PARENT FUNCTION**

- CC.2.2.HS.C.4: Algebraic Concepts Functions Interpret the effects transformations have on functions and find the inverses of functions.

Unit 15: Statistics

- **DATA ANALYSIS**

- CC.2.4.HS.B.1: Measurement, Data, and Probability Statistics and Probability Summarize, represent, and interpret data on a single count or measurement variable.
- CC.2.4.HS.B.2: Measurement, Data, and Probability Statistics and Probability Summarize, represent, and interpret data on two categorical and quantitative variables.

- **FREQUENCY TABLES**

- CC.2.4.HS.B.2: Measurement, Data, and Probability Statistics and Probability Summarize, represent, and interpret data on two categorical and quantitative variables.
- CC.2.4.HS.B.1: Measurement, Data, and Probability Statistics and Probability Summarize, represent, and interpret data on a single count or measurement variable.

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- CC.2.4.HS.B.6: Measurement, Data, and Probability Statistics and Probability Use the concepts of independence and conditional probability to interpret data.
 - **SCATTERPLOTS**
 - CC.2.4.HS.B.2: Measurement, Data, and Probability Statistics and Probability Summarize, represent, and interpret data on two categorical and quantitative variables.
 - CC.2.4.HS.B.3: Measurement, Data, and Probability Statistics and Probability Analyze linear models to make interpretations based on the data.
 - **SCATTERPLOTS AND MODELING**
 - CC.2.4.HS.B.2: Measurement, Data, and Probability Statistics and Probability Summarize, represent, and interpret data on two categorical and quantitative variables.
 - CC.2.4.HS.B.5: Measurement, Data, and Probability Statistics and Probability Make inferences and justify conclusions based on sample surveys, experiments, and observational studies.
 - CC.2.4.HS.B.3: Measurement, Data, and Probability Statistics and Probability Analyze linear models to make interpretations based on the data.
 - CC.2.2.HS.C.5: Algebraic Concepts Functions Construct and compare linear, quadratic and exponential models to solve problems.