Performing Math
open-middle performance tasks

Algebra 1 Tasks

Focus TEKS	Performance Task Name	Additional TEKS
Cluster A.2: Linear Functions, Equations, and Inequalities		
A.2A	Representing Domain and Range Values: Taxi Trips	A.12B
A.2A	Representing Domain and Range: Swimming Pool	A.3C, A.12B
A.2B	Writing Linear Equations: Garden Pathway	A.2C, A.5A
A.2C	Writing Linear Equations: Salad Bar	A.3B, A.5I
A.2C	Writing Linear Equations: Carrie's Shoes	A.3B, 8.5I
A.2D	Direct Variation: Currency Conversion	A.2C, 8.5A, 8.5E
A.2E	Writing Linear Equations: City Planning	A.2B, A.3A
A.2F	Writing Linear Equations: Architect Drawing	A.2B, A.3A
A.2G	Writing Linear Equations: Sea War	A.2B, A.3A
A.2H	Writing Linear Inequalities: Landscaping	A.2C, A.3C
A.2I	Writing Systems of Linear Equations: Perimeter	A.2B, A.2C, A.5C
A.2I	Writing Systems of Linear Equations: Investments	A.2C, A.5C
Cluster A.3: Linear Functions, Equations, and Inequalities		
A.3A	Determining Slope: Partner Points	A.2B, A.3B
A.3B	Rate of Change: Peyton's Plant	A.2C, A.3A
A.3B	Rate of Change: Fall Play Tickets	A.2C, A.3A
A.3C	Linear Function Features: Student Council Shirt Sales	A.2C, A.3B, A.12B
A.3C	Linear Function Features: Serenity Village	A.2C, A.3B, A.12B
A.3D	Graphing Linear Inequalities: Glasses and Speakers	A.2H, A.12B
A.3D	Graphing Linear Inequalities: Test Score	A.12B
A.3E	Linear Transformations: Celsius to Fahrenheit	A.2C, A.3F, A.3G
A.3F	Systems of Linear Equations: The Rose Garden	A.2C, A.5C, 8.7C
A.3G	Systems of Linear Equations: Algebra Asteroids	A.3F, A.5C
A.3H	Systems of Linear Inequalities: Wedding Candles	A.2H, A.2I, A.3D, A.3F
Cluster A.4: Linear Functions, Equations, and Inequalities		
A.4A	Linear Statistical Relationships: Vehicle Values	A.4B, A.4C
A.4B	Linear Statistical Relationships: Olympic Female Gymnasts	A.4A, A.4C
A.4C	Linear Statistical Relationships: Ice Cream Truck	A.4A, A.4B, A.12A, A.12B
Cluster A.5: Linear Functions, Equations, and Inequalities		
A.5A	Equations and Inequalities: Maci's Porches	A.8A, 8.8C, 7.11B, 6.7D
A.5A	Equations and Inequalities: Shipping Charges	8.8A, 8.8C, 7.11B
A.5B	Equations and Inequalities: Hiring a Band	A.5A, 8.8A, 8.8C
A.5C	Systems of Linear Equations: Shannon's Table	A.10A, A.12D
A.5C	Systems of Linear Equations: Fundraising	A.3F, A.12E
Cluster A.6: Quadratic Functions and Equations		
A.6A	Representing Domain and Range Values: Satellite Dish	8.7A, A.12B
A.6A	Representing Domain and Range Values: Candle Sale Profits	A.7A, A.7B, A.11A, A.12B
A.6B	Writing Quadratic Equations: Thomas' Rocket	A.6A, A.6C, A.7A, A.7B

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Algebra 1 Tasks		
Focus TEKS	**Performance Task Name**	**Additional TEKS**
A.6C	Writing Quadratic Equations: The Parking Lot	A.6B, A.7A, A.7B
Cluster A.7: Quadratic Functions and Equations		
A.7A	Graphs of Quadratic Functions: Mark's Pop Fly	A.6A, A.8A
A.7A	Graphs of Quadratic Functions: Dance Ticket Revenue	A.6A, A.6B, A.8A
A.7B	Graphs of Quadratic Functions: Architectural Windows	A.6A, A.7A, A.8A
A.7C	Graphs of Quadratic Functions: Moving the Garland	A.6B, A.7A
A.7C	Graphs of Quadratic Functions: Designing the Archway	A.6A, A.6B, A.7A
Cluster A.8: Quadratic Functions and Equations		
A.8A	Solving Quadratic Equations: Triangular Garden	A.7B, A.10B, A.11A, A.7C
A.8A	Solving Quadratic Equations: On the Golf Course	A.7A, A.7B
A.8B	Solving Quadratic Equations: Predicting Sales	A.6B, A.7A, A.12A
Cluster A.9: Exponential Functions and Equations		
A.9A	Representing Domain and Range: Car Pricing	A.9B, A.9C, A.9D, A.12B
A.9B	Writing Exponential Functions: The Water Tank	A.9A, A.9C, A.9D, A.12B
A.9C	Writing Exponential Functions: Annuity	A.9B
A.9C	Writing Exponential Functions: Ibuprofen in the Body	A.9B
A.9D	Graphing Exponential Functions: Yeast Culture Cells	A.9a, A.9B, A.12B
A.9D	Graphing Exponential Functions: Dave's Caffeine Levels	A.9B, A.9C, A.12B
A.9E	Writing Exponential Functions: Basketball Rebound Heights	A.9B, A.9C, A.9D, A.12B
Cluster A.10: Number and Algebraic Methods		
A.10A	Operations with Polynomials: Carley's Math Story	8.8C, 7.3B
A.10B	Operations with Polynomials: Shipping Box Dimensions	A.10D, A.11B, 7.3B, 7.9A, 7.9D
A.10C	Operations with Polynomials: Tammy's Kitchen Remodel	A.10A, A.10B, A.10D
A.10D	Operations with Polynomials: Equivalent Partners	A.10A, A.10B, A.11B, 7.3B
A.10E	Operations with Polynomials: Baby Quilt Border	A.8A, A.10A, A.10B, A.10D
A.10E	Operations with Polynomials: Extension Ladders	A.8A, A.10A, A.10B, A.10D, 8.7C
A.10F	Operations with Polynomials: The Jessup Brothers' Farms	A.8A, A.10A, A.10B, A.7C
Cluster A.11: Number and Algebraic Methods		
A.11A	Simplify Algebraic Expressions: Pyramid Paperweights	A.11B, 7.9A
A.11B	Simplify Algebraic Expressions: Surface and Volume Ratios	7.9A, 7.9D, 8.7B
A.11B	Simplify Algebraic Expressions: Jessica's Problem	7.3B
Cluster A.12: Number and Algebraic Methods		
A.12A	Algebraic Methods: Functions and Relations	A.2B, A.2C, A.2G, A.6C
A.12B	Algebraic Methods: Rose's Inherited Land	A.2E, A.7C, A.9A
A.12C	Algebraic Methods: Jasmine's Fractal Art Project	A.9A, A.9C, A.12D
A.12D	Algebraic Methods: Bracelet Business	A.2C, A.3B, A.12B, A.12C
A.12E	Solving Literal Equations: Velocity of a Golf Swing	A.5A, A.11A

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