Targeted Student Support for Maximizing Results

7th STAAR Math Student Profile

Critical

Important

As time permits

Student Name: _____ Period: _____

Cate.	TEKS	R or S	Student Expectation	Basic	Basic	Interm	Interm	Interm	Adv.	Adv.
1	7.2A	S	Extend previous knowledge of sets and subsets using a visual representation to describe relationships between sets of rational numbers.							
1	7.6A	S	Represent sample spaces for simple and compound events using lists and tree diagrams							
1	7.6C	S	Make predictions and determine solutions using experimental data for simple and compound events							
1	7.6D	S	Make predictions and determine solutions using theoretical probability for simple and compound events							
1	7.6E	S	Find the probabilities of a simple event and its complement and describe the relationship between the two							
1	7.6H	R	Solve problems using qualitative and quantitative predictions and comparisons from simple experiments;							
1	7.6I	R	Determine experimental and theoretical probabilities related to simple and compound events using data and sample spaces							
2	7.3A	S	Add, subtract, multiply, and divide rational numbers fluently							
2	7.3B	R	Apply and extend previous understandings of operations to solve problems using addition, subtraction, multiplication, and division of rational numbers.							

Cate.	TEKS	R or S	Student Expectation	Basic	Basic	Interm	Interm	Interm	Adv.	Adv.
2	7.4A	R	Represent constant rates of change in mathematical and real-world problems given pictorial, tabular, verbal, numeric, graphical, and algebraic representations, including $d = rt$;							
2	7.4B	S	Calculate unit rates from rates in mathematical and real-world problems;							
2	7.4C	S	Determine the constant of proportionality ($k = y/x$) within mathematical and real-world problems;							
2	7.4D	R	Solve problems involving ratios, rates, and percents, including multi-step problems involving percent increase and percent decrease, and financial literacy problems							
2	7.7A	R	Represent linear relationships using verbal descriptions, tables, graphs, and equations that simplify to the form y = mx + b.							
2	7.10A	S	Write one-variable, two-step equations and inequalities to represent constraints or conditions within problems							
2	7.10B	S	Represent solutions for one-variable, two-step equations and inequalities on number lines							
2	7.10C	S	Write a corresponding real-world problem given a one-variable, two-step equation or inequality							
2	7.11A	R	Model and solve one-variable, two-step equations and inequalities							
2	7.11B	S	Determine if the given value(s) make(s) one-variable, two-step equations and inequalities true							

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3	7.4E	S	Convert between measurement systems, including the use of proportions and the use of unit rates							
3	7.5A	S	Generalize the critical attributes of similarity, including ratios within and between similar shapes							
3	7.5B	S	Describe π as the ratio of the circumference of a circle to its diameter							
3	7.5C	R	Solve mathematical and real-world problems involving similar shapes and scale drawings							
3	7.9A	R	Solve problems involving the volume of rectangular prisms, triangular prisms, rectangular pyramids, and triangular pyramids							
3	7.9B	R	Determine the circumference and area of circles							
3	7.9C	R	Determine the area of composite figures containing combinations of rectangles, squares, parallelograms, trapezoids, triangles, semicircles, and quarter circles							
3	7.9D	S	Solve problems involving the lateral and total surface area of a rectangular prism, rectangular pyramid, triangular prism, and triangular pyramid by determining the area of the shape's net							
3	7.11C	S	Write and solve equations using geometry concepts, including the sum of the angles in a triangle, and angle relationships							

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4	7.6G	R	Solve problems using data represented in bar graphs, dot plots, and circle graphs, including part-to-whole and part-to-part comparisons and equivalents.							
4	7.12A	R	Compare two groups of numeric data using comparative dot plots or box plots by comparing their shapes, centers, and spreads							
4	7.12B	S	Use data from a random sample to make inferences about a population							
4	7.12C	S	Compare two populations based on data in random samples from these populations, including informal comparative inferences about differences between the two populations							
4	7.13A	S	Calculate the sales tax for a given purchase and calculate income tax for earned wages							
4	7.13B	S	Identify the components of a personal budget, including income; planned savings for college, retirement, and emergencies; taxes; and fixed and variable expenses, and calculate what percentage each category comprises of the total budget							
4	7.13C	S	Create and organize a financial assets and liabilities record and construct a net worth statement							
4	7.13D	S	Use a family budget estimator to determine the minimum household budget and average hourly wage needed for a family to meet its basic needs in the student's city or another large city nearby							
4	7.13E	S	Calculate and compare simple interest and compound interest earnings							
4	7.13F	S	Analyze and compare monetary incentives, including sales, rebates, and coupons							