Claim 1: Concepts and Procedures. Students can explain and apply mathematical concepts and interpret and carry out mathematical procedures with precision and fluency.

Focus	Target	Standards	Goal DOK	Relative Emphasis/ Comments	%
Not used in this grade.	A. Analyze proportional relationships and use them to solve real-world and mathematical problems. **Evidence Required:** 1. The student computes unit rates and finds the constant of proportionality of proportional relationships in various forms. 2. The student determines whether two quantities, shown in various forms, are in a proportional relationship. 3. The student represents proportional relationships between quantities using equations. 4. The student interprets specific values from a proportional relationship in the context of a problem situation. 5. The student computes with percentages in context.	7.RP.1, 7.RP.2, 7.RP.3	2	High	65-75%
	B. Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers. **Evidence Required:** 1. The student interprets rational number values on a number line, including modeling addition and subtraction expressions. 2. The student applies properties of operations as strategies to add and subtract rational numbers. 3. The student applies properties of operations as strategies to multiply and divide rational numbers. 4. The student converts from a fractional form of rational numbers to a decimal form of rational numbers. 5. The student solves real-world and mathematical problems involving the four operations with rational numbers.	7.NS.1, 7.NS.2, 7.NS.3			

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Focus	Target	Standards	Goal DOK	Relative Emphasis/ Comments	%
Not used in this grade.	C. Use properties of operations to generate equivalent expressions. **Evidence Required:** 1. The student adds and subtracts linear expressions with rational coefficients. 2. The student factors linear expressions with rational coefficients. 3. The student expands linear expressions with rational coefficients. 4. The student generates equivalent linear expressions using a combination of addition and subtraction, factoring, and expansion.	7.EE.1, 7.EE.2	1	High	Claim 1 cont. 65-75%
	D. Solve real-life and mathematical problems using numerical and algebraic expressions and equations. **Evidence Required:** 1. The student identifies equivalency between two rational numbers. 2. The student applies properties of operations to evaluate numeric expressions, including converting between different forms of rational numbers. 3. The student solves word problems leading to equations of the form $px + q = r$ and $p(x + q) = r$, where p, q, and rare specific rational numbers. 4. The student solves word problems leading to inequalities of the form $px + q > r$ and $px + q < r$, where p, q, and rare specific rational numbers. 5. The student graphs the solution set of an inequality on a number line.	7.EE.3, 7.EE.4	2	High	
	E. Draw, construct, and describe geometrical figures and describe the relationships between them. **Evidence Required:** 1. The student creates scale drawings. 2. The student solves problems involving scale drawings using proportional reasoning. 3. The student draws, constructs, or describes geometric shapes given certain conditions. 4. The student describes a two-dimensional figure resulting from slicing a three-dimensional figure by a plane.	7.G.1, 7.G.2, 7.G.3	3	Low	

Claim 1: Concepts and Procedures. Students can explain and apply mathematical concepts and interpret and carry out mathematical procedures with precision and fluency.

Focus	Target	Standards	Goal DOK	Relative Emphasis/ Comments	%
Not used in this grade.	F. Solve real-life and mathematical problems involving angle measure, area, surface area, and volume. **Evidence Required:** 1. The student solves real-life and mathematical problems for the circumference and area of circles. 2. The student solves real-life and mathematical problems involving angle measure including problems requiring writing and solving equations. 3. The student solves real-life and mathematical problems for the area of two-dimensional objects composed of polygons. 4. The student solves real-life and mathematical problems for the volume and surface area of three-dimensional objects composed of right prisms and cubes.	7.G.4, 7.G.5, 7.G.6	2	Low	Claim 1 cont. 65-75%
	G. Use random sampling to draw inferences about a population. **Evidence Required:** 1. The student determines whether a sample is representative of a population. 2. The student draws inferences about a population using data from a random sample.	7.SP.1, 7.SP.2	2	Medium	
	H. Draw informal comparative inferences about two populations. **Evidence Required:** 1. The student makes comparisons between two numerical data distributions. 2. The student uses measures of center and measures of variability to make statements that form the basis for informal comparative inferences.	7.SP.3, 7.SP.4	2	Low	
	I. Investigate chance processes and develop, use, and evaluate probability models. **Evidence Required:** 1. The student understands the likelihood of an event as a probability between 0 and 1. 2. The student finds probabilities of simple events. 3. The student compares predicted probabilities to observed frequencies. 4. The student finds probabilities of compound events.	7.SP.5, 7.SP.6, 7.SP.7, 7.SP.8	2	Medium	

Claim 2: Problem Solving. Students can solve a range of complex well-posed problems in pure and applied mathematics, making productive use of knowledge and problems solving strategies.					
Focus	**Target**	**Standard**	**Goal DOK**	**Relative Emphasis/ Comments**	**%**
Not used in this grade.	**A-D** A. Apply mathematics to solve well-posed problems in pure mathematics and arising in everyday life, society, and the workplace. B. Select and use appropriate tools strategically. C. Interpret results in the context of a situation. D. Identify important quantities in a practical situation and map their relationships (e.g., using diagrams, two-way tables, graphs, flowcharts, or formulas).	Focus Clusters: 7.RP.A, 7.NS.A, 7.EE.A, 7.EE.B, 7.G.A*, 7.G.B* *denotes minor clusters	3	Tasks limited to machine-scorable responses, so not all Targets may be addressed.	8-12%

Claim 3: Communicating Reason. Students can clearly and precisely construct viable arguments to support their own reasoning and to critique the reasoning of other.					
Focus	**Target**	**Standards**	**Goal DOK**	**Relative Emphasis/ Comments**	**%**
Not used in this grade.	**A-F** A. Test propositions or conjectures with specific examples. B. Construct, autonomously, chains of reasoning that will justify or refute propositions or conjectures. C. State logical assumptions being used. D. Use the technique of breaking an argument into cases. E. Distinguish correct logic or reasoning from that which is flawed and—if there is a flaw in the argument— explain what it is. F. Base arguments on concrete referents such as objects, drawings, diagrams, and actions.	Focus Clusters/Standards: 7.RP.2, 7.NS.A, 7.NS.1, 7.NS.2, 7.EE.1, 7.EE.2	3	Tasks limited to machine-scorable responses, so not all Targets may be addressed.	8-12%

Claim 4: Modeling and Data Analysis. Students can analyze complex, real-world scenarios and can construct and use mathematical models to interpret and solve problems.

Focus	Target	Standards	Goal DOK	Relative Emphasis/ Comments	%
Not used in this grade.	**A-G** A. Apply mathematics to solve problems arising in everyday life, society, and the workplace. B. Construct, autonomously, chains of reasoning to justify mathematical models used, interpretations made, and solutions proposed for a complex problem. C. State logical assumptions being used. D. Interpret results in the context of a situation. E. Analyze the adequacy of and make improvements to an existing model or develop a mathematical model of a real phenomenon. F. Identify important quantities in a practical situation and map their relationships (e.g., using diagrams, two-way tables, graphs, flowcharts, or formulas). G. Identify, analyze, and synthesize relevant external resources to pose or solve problems. (performance tasks only)	Focus Clusters: 7.RP.A, 7.NS.A, 7.EE.B, 7.G.A*, 7.G.B*, 7.SP.A*, 7.SP.B*, 7.SP.C* *denotes minor clusters	3	Tasks limited to machine-scorable responses, so not all Targets may be addressed.	8-12%