

Domain / Standard	PAWS 3rd Grade Mathematics Blueprint Cluster Heading	Focus m = major s = supporting a = additional	Items Per Domain	# of Items / Cluster Heading	PAWS Emphasis
Operations and Algebraic Thinking			20		
3.OA.1	Represent and solve problems involving multiplication and division.	m		6-8	40%
3.OA.2					
3.OA.3					
3.OA.4					
3.OA.5	Understand properties of multiplication and the relationship between multiplication and division.	m		3-5	
3.OA.6					
3.OA.7	Multiply and divide within 100.	m		3-5	
3.OA.8	Solve problems involving the four operations, and identify and explain patterns in arithmetic.	m		4-6	
3.OA.9					
Number and Operations - Base Ten			6		
3.NBT.1	Use place value understanding and properties of operations to perform multi-digit arithmetic.	a		6	12%
3.NBT.2					
3.NBT.3					
Number and Operations - Fractions			6		
3.NF.1	Develop understanding of fractions as numbers.	m		6	12%
3.NF.2					
3.NF.3					
Measurement and Data			12		
3.MD.1	Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.	m		3-5	24%
3.MD.2					
3.MD.3	Represent and interpret data.	s		1-3	
3.MD.4					
3.MD.5	Geometric measurement: understand concepts of area and relate area to multiplication and to addition.	m		3-5	
3.MD.6					
3.MD.7					
3.MD.8	Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.	a		1-3	
Geometry			6		
3.G.1	Reason with shapes and their attributes.	s		6	12%
3.G.2					
			50	50	100%

PAWS Administration 2014 to Present

Mathematics

Wyoming Department of Education






Domain / Standard	PAWS 4th Grade Mathematics Blueprint Cluster Heading	Focus m = major s = supporting a = additional	Items Per Domain	# of Items / Cluster Heading	PAWS Emphasis	PAWS Administration 2014 to Present Mathematics Wyoming Department of Education
Operations and Algebraic Thinking			13			
4.OA.1	Use the four operations with whole numbers to solve problems. Gain familiarity with factors and multiples. Generate and analyze patterns.	m		6-8	22%	
4.OA.2						
4.OA.3						
4.OA.4						
4.OA.5		a		2-4		
Number and Operations - Base Ten			10			
4.NBT.1	Generalize place value understanding for multi-digit whole numbers.	m		3-5	17%	
4.NBT.2						
4.NBT.3						
4.NBT.4	Use place value understanding and properties of operations to perform multi-digit arithmetic.	m		5-7		
4.NBT.5						
4.NBT.6						
Number and Operations - Fractions			20			
4.NF.1	Extend understanding of fraction equivalence and ordering.	m		3-5	34%	
4.NF.2						
4.NF.3	Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.	m		9-11		
4.NF.4						
4.NF.5	Understand decimal notation for fractions, and compare decimal fractions.	m		5-7		
4.NF.6						
4.NF.7						
Measurement and Data			10			
4.MD.1	Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.	s		5-7	17%	
4.MD.2						
4.MD.3						
4.MD.4	Represent and interpret data.	s		1-3		
4.MD.5	Geometric measurement: understand concepts of angle and measure angles.	a		1-3		
4.MD.6						
4.MD.7						
Geometry			6			
4.G.1	Draw and identify lines and angles, and classify shapes by properties of their lines and angles.	a		6	10%	
4.G.2						
4.G.3						
			59	59	100%	

Domain / Standard	PAWS 5th Grade Mathematics Blueprint Cluster Heading	Focus m = major s = supporting a = additional	Items Per Domain	# of Items / Cluster Heading	PAWS Emphasis
Operations and Algebraic Thinking			6		
5.OA.1	Write and interpret numerical expressions.	a		2-4	10%
5.OA.2					
5.OA.3	Analyze patterns and relationships.	a		2-4	
Number and Operations - Base Ten			16		
5.NBT.1	Understand the place value system.	m		5-7	27%
5.NBT.2					
5.NBT.3					
5.NBT.4					
5.NBT.5	Perform operations with multi-digit whole numbers and with decimals to hundredths.	m		9-11	
5.NBT.6					
5.NBT.7					
Number and Operations - Fractions			19		
5.NF.1	Use equivalent fractions as a strategy to add and subtract fractions.	m		7-9	32%
5.NF.2					
5.NF.3	Apply and extend previous understandings of multiplication and division to multiply and divide fractions.	m		10-12	
5.NF.4					
5.NF.5					
5.NF.6					
5.NF.7					
Measurement and Data			12		
5.MD.1	Convert like measurement units within a given measurement system.	s		2-4	20%
5.MD.2	Represent and interpret data.	s		1-3	
5.MD.3	Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.	m		6-8	
5.MD.4					
5.MD.5					
Geometry			6		
5.G.1	Graph points on the coordinate plane to solve real-world and mathematical problems.	a		2-4	10%
5.G.2					
5.G.3	Classify two-dimensional figures into categories based on their properties.	a		2-4	
5.G.4					
			59	59	100%

PAWS Administration 2014 to Present

Mathematics








Wyoming Department of Education

Domain / Standard	PAWS 6th Grade Mathematics Blueprint Cluster Heading	Focus m = major s = supporting a = additional	Items Per Domain	# of Items / Cluster Heading	PAWS Emphasis
Ratios and Proportional Relationships			10		
6.RP.1	Understand ratio concepts and use ratio reasoning to solve problems.	m		10	17%
6.RP.2					
6.RP.3					
The Number System			15		
6.NS.1	Apply and extend previous understandings of multiplication and division to divide fractions by fractions.	m		4-6	25%
6.NS.2	Compute fluently with multi-digit numbers and find common factors.	a		3-5	
6.NS.3					
6.NS.4					
6.NS.5	Apply and extend previous understandings of numbers to the system of rational numbers.	m		5-7	
6.NS.6					
6.NS.7					
6.NS.8					
Expressions and Equations			20		
6.EE.1	Apply and extend previous understandings of arithmetic to algebraic expressions.	m		7-9	34%
6.EE.2					
6.EE.3					
6.EE.4					
6.EE.5	Reason about and solve one-variable equations and inequalities.	m		6-8	
6.EE.6					
6.EE.7					
6.EE.8					
6.EE.9	Represent and analyze quantitative relationships between dependent and independent variables.	m		4-6	
Geometry			6		
6.G.1	Solve real-world and mathematical problems involving area, surface area, and volume.	s		6	10%
6.G.2					
6.G.3					
6.G.4					
Statistics and Probability			8		
6.SP.1	Develop understanding of statistical variability.	a		2-4	14%
6.SP.2					
6.SP.3					
6.SP.4	Summarize and describe distributions.	a		4-6	
6.SP.5					
			59	59	100%








PAWS Administration 2014 to Present

Mathematics

Wyoming Department of Education

Domain / Standard	PAWS 7th Grade Mathematics Blueprint Cluster Heading	Focus m = major s = supporting a = additional	Items Per Domain	# of Items / Cluster Heading	PAWS Emphasis
Ratios and Proportional Relationships			13		
7.RP.1	Analyze proportional relationships and use them to solve real-world and mathematical problems.	m		13	22%
7.RP.2					
7.RP.3					
The Number System			10		
7.NS.1	Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.	m		10	17%
7.NS.2					
7.NS.3					
Expressions and Equations			18		
7.EE.1	Use properties of operations to generate equivalent expressions.	m		5-7	31%
7.EE.2					
7.EE.3	Solve real-life and mathematical problems using numerical and algebraic expressions and equations.	m		11-13	
7.EE.4					
Geometry			9		
7.G.1	Draw, construct, and describe geometrical figures and describe the relationships between them.	a		1-3	15%
7.G.2					
7.G.3					
7.G.4	Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.	a		6-8	
7.G.5					
7.G.6					
Statistics and Probability			9		
7.SP.1	Use random sampling to draw inferences about a population.	s		2-4	15%
7.SP.2					
7.SP.3	Draw informal comparative inferences about two populations.	a		1-3	
7.SP.4					
7.SP.5	Investigate chance processes and develop, use, and evaluate probability models.	s		3-5	
7.SP.6					
7.SP.7					
7.SP.8					
			59	59	100%

PAWS Administration 2014 to Present
Mathematics
Wyoming Department of Education

Domain / Standard	PAWS 8th Grade Mathematics Blueprint Cluster Heading	Focus m = major s = supporting a = additional	Items Per Domain	# of Items / Cluster Heading	PAWS Emphasis
The Number System			6		
8.NS.1	Know that there are numbers that are not rational, and approximate them by rational numbers.	s		6	9%
8.NS.2					
Expressions and Equations			23		
8.EE.1	Work with radicals and integer exponents.	m		6-8	35%
8.EE.2					
8.EE.3					
8.EE.4					
8.EE.5	Understand the connections between proportional relationships, lines, and linear equations.	m		5-7	
8.EE.6					
8.EE.7	Analyze and solve linear equations and pairs of simultaneous linear equations.	m		9-11	
8.EE.8					
Functions			14		
8.F.1	Define, evaluate, and compare functions.	m		7-9	22%
8.F.2					
8.F.3					
8.F.4	Use functions to model relationships between quantities.	s		5-7	
8.F.5					
Geometry			16		
8.G.1	Understand congruence and similarity using physical models, transparencies, or geometry software.	m		6-8	25%
8.G.2					
8.G.3					
8.G.4					
8.G.5					
8.G.6	Understand and apply the Pythagorean Theorem.	m		5-7	
8.G.7					
8.G.8					
8.G.9	Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres.	a		2-4	
Statistics and Probability			6		
8.SP.1	Investigate patterns of association in bivariate data.	s		6	9%
8.SP.2					
8.SP.3					
8.SP.4					
			65	65	100%

PAWS Administration 2014 to Present

Mathematics

Wyoming Department of Education