








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
<b>The Number System</b>			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					
<b>Expressions and Equations</b>			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					
<b>Functions</b>			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					
<b>Geometry</b>			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	
<b>Statistics and Probability</b>			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