





















Domain / Standard	2015 PAWS - 3rd Grade Mathematics 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%

Domain / Standard	2015 PAWS - 4th Grade Mathematics Cluster Heading	Focus m = major s = supporting a = additional	Items Per Domain	# of Items / Cluster Heading	PAWS Emphasis
Operations and Algebraic Thinking			13		
4.OA.1	Use the four operations with whole numbers to solve problems.	m		6-8	22%
4.OA.2					
4.OA.3					
4.OA.4	Gain familiarity with factors and multiples.	s		2-4	
4.OA.5	Generate and analyze patterns.	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	2015 PAWS - 5th Grade Mathematics Cluster Heading	Focus m = major s = supporting a = additional	Items Per Domain	# of Items / Cluster Heading	PAWS Emphasis
Operations and Algebraic Thinking					
5.OA.1	Write and interpret numerical expressions.	a	6	2-4	10%
5.OA.2					
5.OA.3	Analyze patterns and relationships.	a		2-4	
Number and Operations - Base Ten					
5.NBT.1	Understand the place value system.	m	16	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					
5.NF.1	Use equivalent fractions as a strategy to add and subtract fractions.	m	19	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					
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	12	6-8	
5.MD.4					
5.MD.5					
Geometry					
5.G.1	Graph points on the coordinate plane to solve real-world and mathematical problems.	a	6	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%

Domain / Standard	2015 PAWS - 6th Grade Mathematics Cluster Heading	Focus	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.	major		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.	major		4-6	25%
6.NS.2	Compute fluently with multi-digit numbers and find common factors.	additional		3-5	
6.NS.3					
6.NS.4					
6.NS.5	Apply and extend previous understandings of numbers to the system of rational numbers.	major		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.	major		7-9	34%
6.EE.2					
6.EE.3					
6.EE.4					
6.EE.5	Reason about and solve one-variable equations and inequalities.	major		6-8	
6.EE.6					
6.EE.7					
6.EE.8					
6.EE.9	Represent and analyze quantitative relationships between dependent and independent variables.	major		4-6	
Geometry			6		
6.G.1	Solve real-world and mathematical problems involving area, surface area, and volume.	supporting		6	10%
6.G.2					
6.G.3					
6.G.4					
Statistics and Probability			8		
6.SP.1	Develop understanding of statistical variability.	additional		2-4	14%
6.SP.2					
6.SP.3					
6.SP.4	Summarize and describe distributions.	additional		4-6	
6.SP.5					
			59	59	100%

Domain / Standard	2015 PAWS - 7th Grade Mathematics 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	100.00%

Domain / Standard	2015 PAWS - 8th Grade Mathematics 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 8.NS.2	Know that there are numbers that are not rational, and approximate them by rational numbers.	supporting		6	9%
Expressions and Equations			23		
8.EE.1 8.EE.2 8.EE.3 8.EE.4	Work with radicals and integer exponents.	major		6-8	35%
8.EE.5 8.EE.6	Understand the connections between proportional relationships, lines, and linear equations.	major		5-7	
8.EE.7 8.EE.8	Analyze and solve linear equations and pairs of simultaneous linear equations.	major		9-11	
Functions			14		
8.F.1 8.F.2 8.F.3	Define, evaluate, and compare functions.	major		7-9	22%
8.F.4 8.F.5	Use functions to model relationships between quantities.	supporting		5-7	
Geometry			16		
8.G.1 8.G.2 8.G.3 8.G.4 8.G.5	Understand congruence and similarity using physical models, transparencies, or geometry software.	major		6-8	25%
8.G.6 8.G.7 8.G.8	Understand and apply the Pythagorean Theorem.	major		5-7	
8.G.9	Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres.	additional		2-4	
Statistics and Probability			6		
8.SP.1 8.SP.2 8.SP.3 8.SP.4	Investigate patterns of association in bivariate data.	supporting		6	9%
			65	65	100.00%