








| 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% |