

| Domain / Standard                            | PAWS 7th Grade Mathematics Blueprint Cluster Heading                                                                           | Focus<br>m = major<br>s = supporting<br>a = additional | Items Per Domain                                                                      | # of Items / Cluster Heading | PAWS Emphasis |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------|---------------|
| <b>Ratios and Proportional Relationships</b> |                                                                                                                                |                                                        | <b>13</b>                                                                             |                              |               |
| 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                                       |                                                                                                                                |                                                        |                                                                                       |                              |               |
| <b>The Number System</b>                     |                                                                                                                                |                                                        | <b>10</b>                                                                             |                              |               |
| 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                                       |                                                                                                                                |                                                        |                                                                                       |                              |               |
| <b>Expressions and Equations</b>             |                                                                                                                                |                                                        | <b>18</b>                                                                             |                              |               |
| 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                                       |                                                                                                                                |                                                        |                                                                                       |                              |               |
| <b>Geometry</b>                              |                                                                                                                                |                                                        | <b>9</b>                                                                              |                              |               |
| 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                                        |                                                                                                                                |                                                        |                                                                                       |                              |               |
| <b>Statistics and Probability</b>            |                                                                                                                                |                                                        | <b>9</b>                                                                              |                              |               |
| 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                                       |                                                                                                                                |                                                        |                                                                                       |                              |               |
|                                              |                                                                                                                                |                                                        | <b>59</b>                                                                             | <b>59</b>                    | <b>100%</b>   |

PAWS Administration 2014 to Present  
Mathematics  
Wyoming Department of Education