

## 4<sup>th</sup> Grade Math at a Glance for Parents 2015-2016

| First Quarter                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                    |                                                    |                                                    | Second Quarter                                                                                                                                                                                                                                                                                                                                                                                                    |                                                    |                                                                                                                                                                                                                                                                                       |                                                    |                                                    |                                                    |                                                    |                                                    |
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| Unit                                           | Whole Number Place Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Adding & Subtracting Whole Numbers                 | Factors                                            | Strategies for Multiplication                      | Strategies for Division                                                                                                                                                                                                                                                                                                                                                                                           | Multiplicative Comparisons                         | Problem Solving with Operations                                                                                                                                                                                                                                                       | Lines & Angles                                     | Relationship between Circles & Angles              | Measuring Angles                                   | 2D Figures                                         | Line Symmetry                                      |
| <b>Standards</b>                               | 4.NBT.1<br>4.NBT.2<br>4.NBT.3                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4.OA.3<br>4.NBT.3<br>4.NBT.4                       | 4.OA.4                                             | 4.NBT.5                                            | 4.NBT.6                                                                                                                                                                                                                                                                                                                                                                                                           | 4.OA.1<br>4.OA.2                                   | 4.OA.3                                                                                                                                                                                                                                                                                | 4.G.1                                              | 4.MD.5                                             | 4.MD.6<br>4.MD.7                                   | 4.G.2                                              | 4.G.3                                              |
| <b>Unit Overviews</b>                          | <a href="#">English</a><br><a href="#">Spanish</a>                                                                                                                                                                                                                                                                                                                                                                                                                                        | <a href="#">English</a><br><a href="#">Spanish</a> | <a href="#">English</a><br><a href="#">Spanish</a> | <a href="#">English</a><br><a href="#">Spanish</a> | <a href="#">English</a><br><a href="#">Spanish</a>                                                                                                                                                                                                                                                                                                                                                                | <a href="#">English</a><br><a href="#">Spanish</a> | <a href="#">English</a><br><a href="#">Spanish</a>                                                                                                                                                                                                                                    | <a href="#">English</a><br><a href="#">Spanish</a> | <a href="#">English</a><br><a href="#">Spanish</a> | <a href="#">English</a><br><a href="#">Spanish</a> | <a href="#">English</a><br><a href="#">Spanish</a> | <a href="#">English</a><br><a href="#">Spanish</a> |
| <b>Big Ideas on the Elementary Report Card</b> | <ul style="list-style-type: none"> <li>Gain familiarity with factors and multiples.</li> <li>Generalize place value understanding for multi-digit whole numbers.</li> <li>Use place value understanding and properties of operations to perform multi-digit arithmetic.</li> </ul>                                                                                                                                                                                                        |                                                    |                                                    |                                                    | <ul style="list-style-type: none"> <li>Use the four operations with whole numbers to solve problems.</li> <li>Use place value understanding and properties of operations to perform multi-digit arithmetic.</li> <li>Geometric measurement: understand concepts of angle and measure angles.</li> <li>Draw and identify lines and angles, and classify shapes by properties of their lines and angles.</li> </ul> |                                                    |                                                                                                                                                                                                                                                                                       |                                                    |                                                    |                                                    |                                                    |                                                    |
| Third Quarter                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                    |                                                    |                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                    | Fourth Quarter                                                                                                                                                                                                                                                                        |                                                    |                                                    |                                                    |                                                    |                                                    |
| Unit                                           | Area & Perimeter                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Patterns                                           | Equivalent Fractions                               | Comparing Fractions                                | Adding & Subtracting Fractions                                                                                                                                                                                                                                                                                                                                                                                    | Multiplying Fractions by Whole Numbers             | Decimals                                                                                                                                                                                                                                                                              | Measurement                                        | Line Plots                                         |                                                    |                                                    |                                                    |
| <b>Standards</b>                               | 4.MD.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4.OA.5                                             | 4.NF.1<br>4.NF.3                                   | 4.NF.2                                             | 4.NF.3<br>4.NF.5                                                                                                                                                                                                                                                                                                                                                                                                  | 4.NF.4                                             | 4.NF.6<br>4.NF.7                                                                                                                                                                                                                                                                      | 4.MD.1<br>4.MD.2                                   | 4.MD.4                                             |                                                    |                                                    |                                                    |
| <b>Unit Overviews</b>                          | <a href="#">English</a><br><a href="#">Spanish</a>                                                                                                                                                                                                                                                                                                                                                                                                                                        | <a href="#">English</a><br><a href="#">Spanish</a> | <a href="#">English</a><br><a href="#">Spanish</a> | <a href="#">English</a><br><a href="#">Spanish</a> | <a href="#">English</a><br><a href="#">Spanish</a>                                                                                                                                                                                                                                                                                                                                                                | <a href="#">English</a><br><a href="#">Spanish</a> | <a href="#">English</a><br><a href="#">Spanish</a>                                                                                                                                                                                                                                    | <a href="#">English</a><br><a href="#">Spanish</a> | <a href="#">English</a><br><a href="#">Spanish</a> |                                                    |                                                    |                                                    |
| <b>Big Ideas on the Elementary Report Card</b> | <ul style="list-style-type: none"> <li>Generate and analyze patterns.</li> <li>Extend understanding of fraction equivalence and ordering.</li> <li>Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.</li> <li>Understand decimal notation for fractions, and compare decimal fractions.</li> <li>Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.</li> </ul> |                                                    |                                                    |                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                    | <ul style="list-style-type: none"> <li>Understand decimal notation for fractions, and compare decimal fractions.</li> <li>Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.</li> <li>Represent and interpret data.</li> </ul> |                                                    |                                                    |                                                    |                                                    |                                                    |