**7th Grade Math**

**Learning Goals**

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| **#** | **Learning Goal** | **Standard(s)** |
| 701 | Analyze proportional relationships and use them to solve real-world and mathematical problems. | 7.RP.1.1, 7.RP.1.2, 7.RP.1.3 |
| 702 | Apply and extend previous understandings of operations to add and subtract rational numbers. | 7.NS.1.1 |
| 703 | Apply and extend previous understandings of operations to multiply and divide rational numbers. | 7.NS.1.2, 7.NS.1.3 |
| 704 | Use properties of operations to generate equivalent expressions. | 7.EE.1.1, 7.EE.1.2 |
| 705 | Solve real-world and mathematical problems using numerical and algebraic expressions and equations. | 7.EE.2.3, 7.EE.2.4 |
| 706 | Solve problems involving scale drawings of geometric figures. | 7.G.1.1 |
| 707 | Use given conditions to draw and construct triangles and other geometric figures and describe the relationships between them. | 7.G.1.2 |
| 708 | Use the formulas for the area and circumference of a circle to solve problems. | 7.G.2.4 |
| 709 | Solve real-world and mathematical problems involving the surface area of 3D shapes composed of triangles and polygons. | 7.G.2.6 |
| 710 | Solve real-world and mathematical problems involving the volume of 3D shapes composed of cubes and right prisms. | 7.G.1.3, 7.G.2.6 |
| 711 | Use facts about a variety of angles in a multi-step problem to write and solve simple equations for an unknown angle. | 7.G.2.5 |
| 712 | Use random sampling to draw inferences about a population. | 7.SP.1.1, 7.SP.1.2 |
| 713 | Draw informal comparative inferences about two populations. | 7.SP.2.3, 7.SP.2.4 |
| 714 | Investigate chance processes and develop, use, and evaluate probability models. | 7.SP.3.5, 7.SP.3.6, 7.SP.3.7, 7.SP.3.8 |