|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Trimester 3 | Grade: 4th Grade | | | | Unit Number: 12 | | | |
| Unit Overview:   * Introduce rates and provide practice collecting and comparing rate data * Practice solving rate problems, to provide practice comparing unit prices and identifying information needed for comparison shopping | | | | | | | |
| Essential Question: How is rate and unit information important in daily life? | | | | | | | |
| Academic Vocabulary: remainder, estimation, rounding, metric units, standard units, fraction, decimal, scale, unit | | | | | | | |
| Lesson | Standard | Guiding Questions | Additional Resources | | Differentiation | Student Learning Goals |
| 12.1 | 4.NF.6 | * Why do we talk about how math is important in real life? |  | |  | I can…   * Solve multi-step word problems with whole numbers using the four operations. * Interpret remainders in word problems. * Write equations using a variable to represent the unknown quantity. * Check my answers using mental computation and estimation strategies, including rounding.   4.OA.3   * Use my understanding of place value to round multi-digit whole numbers to any place.   4.NBT.3   * Describe the relative size of measurement unites (e.g., km, m ,cm, kg, g, lb, oz, l, ml, hr, min, sec). * Represent measurements using diagrams such as a number line that features a measurement scale. * Use the four operations to solve word problems involving measurements. * Convert a measurement given in a larger unit into an equivalent measurement in smaller units in order to solve a problem.   4.MD.2 |
| 12.2 | **4.OA.3**  4.MD.1  **4.MD.2** | * Why is it helpful to make a plan before solving a problem? |  | |  |
| 12.3 | **4.OA.3**  4.OA.4  **4.NBT.3**  **4.MD.1**  **4.MD.2** | * Why is it helpful to check whether the data makes sense? |  | |  |
| 12.4 | 4.MD.1  **4.MD.2** | * How do you use math when you go shopping? |  | |  |
| 12.5 | 4.NF.2  **4.MD.2** | * How might tools help you in mathematics? |  | |  |
| 12.6 | 4.MD.1 | * How could you use this data to plan future trips? |  | |  |
| Assessment: Progress Check Unit 12 | | | | | | | |