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| 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
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| 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?
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| 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?
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| 12.4 | 4.MD.1**4.MD.2** | * How do you use math when you go shopping?
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| 12.5 | 4.NF.2**4.MD.2** | * How might tools help you in mathematics?
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| 12.6 | 4.MD.1 | * How could you use this data to plan future trips?
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| Assessment: Progress Check Unit 12 |