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| **Third Trimester** | Grade: 3 | Unit Number: 10 |
| Unit Overview: * To review units, tools, and measures of weight, length, and capacity
* To introduce the mean of a set of data
* To gain experience with plotting points on a coordinate grid
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| Essential Question: |
| Academic Vocabulary: volume standard units scaled bar graph scale quarter mass scaled picture graph line plot half/halves fourth |
| Lesson | Standard | Guiding Questions | Differentiation  | Additional Resources | Student Learning Goals |
| 10.1 |  | What do you know about equivalent measures for 1 foot, 1 yard and 1 meter that can help you when finding equivalent measurements for *n* feet, *n* yards, and *n* meters? |  |  | I can…* Estimate and measure liquid volumes and masses of objects using standard units of measure (grams, kilograms, and liters).
* Use addition, subtraction, multiplication, or division to solve on-step word problems involving masses or volumes that are given in the same units.
* Represent one-step word problems involving masses or volumes using drawings.
* Make a scaled picture graph or bar graph with several categories to represent data (e.g., one square or picture represents 5 objects).
* Read and interpret scaled bar graphs in order to solve one- and two-steep “how many more” and “how many less” problems.
* Use a ruler to measure lengths in whole, half, and quarter inches.
* Gather and record measurement data using whole, half, and quarter inches.
* Make a line plot with the horizontal scale marked off in whole number , half, or quarter units.
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| 10.2 | 3.NF.3 | How might talking about math questions and their answers with other help you understand more about mathematics?When might you need to estimate the volume of something? |  |  |
| 10.3 | **3.MD.2** | If you wanted to weigh yourself, which scale would you use?Why? |  |  |
| 10.4 | 3.OA.33.OA.7**3.MD.2** | How can you get more accurate at estimating weight? |  |  |
| 10.5 | **3.MD.2** | When can measurement equivalencies help you in real life? |  |  |
| 10.6 | 3.OA.73.NF.3b**3.MD.3** | What information does this bar graph show? |  |  |
| 10.7 | 3.OA.8**3.MD.3****3.MD.4** | Why might someone need to find the median of a set of data in the real world? The Mean? |  |  |
| 10.8 | **3.OA.3****3.MD.2** | What other tools could help you check whether an answer makes sense? |  |  |
| 10.9 | 3.OA.8**3.MD.3** | What other kinds of data could you represent in a frequency table? |  |  |
| 10.10 |  | What other kinds of rules do you use in math? |  |  |
| Assessment: |