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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 | | | | | | |
| 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. |
| 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.3  3.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.7  3.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: | | | | | | | |