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| Trimester 1 | **Grade: 4** | | | | **Unit Number: 3** | | |
| **Unit Overview:**   * Review strategies for solving multiplication facts and maintain automaticity of facts * Provide practice interpreting data, measuring length, and using a map scale * Introduce strategies for solving number stories * Provide practice with number sentences, open sentences, and solving number stories | | | | | | |
| **Essential Question:** How can strategies help us when we work with numbers? | | | | | | |
| **Academic Vocabulary:** multiplicative comparison, factor pairs, prime, pattern, round, rectangular array, factors, multiples, composite, rule, remainder, area model | | | | | | |
| Lesson | Standard | Guiding Questions | Additional Resources | | Differentiation | Student Learning Goals |
| 3.1 | **4.OA.5** | * What other rules do you use to solve math problems? |  | |  | I can…   * Interpret a multiplication equation (e.g. 35 = 5 x 7 as a statement) that 35 is 5 times as many as 7 and 7 times as many as 5) * Write multiplication equations representing verbal statements   4.OA.1   * Find all the factor pairs for any whole number in the range 1 – 100   4.OA.5   * Determine whether a given whole number is a multiple of a given one-digit number * Define prime and composite * Determine if a number is prime or composite (1 – 100)   4.OA.4   * Generate a number pattern that follows a given rule * Identify and explain features of the pattern that go beyond the given rule   4OA.5   * Read and write a multi-digit number in word form, base-ten numeral, and expanded form * Compare two multi-digit numbers using symbols ˂, ˃, or = |
| 3.2 | **4.OA.1**  **4.OA.4**  4.OA.5 | * What multiplication model makes the most sense to you? Why? |  | |  |
| 3.3 | 4.OA.1 **4.OA.4**  **4.OA.5** 4.MD.1  4.MD.2 | * What other patterns can you find in the multiplication facts? |  | |  |
| 3.4 | 4.OA.1 | * What might you learn by graphing your scores over time? |  | |  |
| 3.5 | **4.OA.1 4.NBT.6**  4.MD.2 | * What other tools can you use to solve division problems? |  | |  |
| 3.6 | 4.NBT.2 **4.NBT.3**  4.MD.1 **4.MD.2** | * Name other examples of using math in the real world. |  | |  |
| 3.7 | 4.NBT.2  **4.MD.2**  4.G.1  4.G.2 | * Why is it important to check your estimates? |  | |  |
| 3.8 | **4.OA.3** 4.NBT.2  **4.MD.2** | * Why should we check whether our answers make sense? |  | |  |
| 3.9 | **4.NBT.2** | * Why do we use mathematical symbols instead of words? |  | |  |
| 3.10 |  | * What other symbols do you know how to use in math? |  | |  |
| 3.11 | 4.OA.1 4.OA.4 | * What do you do when it is hard to find a solution? |  | |  |
| Assessments: Progress Check Unit 3 | | | | | | | |