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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
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| **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 =
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| 3.2 | **4.OA.1****4.OA.4**4.OA.5 | * What multiplication model makes the most sense to you? Why?
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| 3.3 | 4.OA.1 **4.OA.4****4.OA.5** 4.MD.14.MD.2 | * What other patterns can you find in the multiplication facts?
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| 3.4 | 4.OA.1 | * What might you learn by graphing your scores over time?
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| 3.5 | **4.OA.1 4.NBT.6**4.MD.2 | * What other tools can you use to solve division problems?
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| 3.6 | 4.NBT.2 **4.NBT.3**4.MD.1 **4.MD.2** | * Name other examples of using math in the real world.
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| 3.7 | 4.NBT.2**4.MD.2**4.G.14.G.2 | * Why is it important to check your estimates?
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| 3.8 | **4.OA.3** 4.NBT.2**4.MD.2** | * Why should we check whether our answers make sense?
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| 3.9 | **4.NBT.2** | * Why do we use mathematical symbols instead of words?
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| 3.10 |  | * What other symbols do you know how to use in math?
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| 3.11 | 4.OA.1 4.OA.4 | * What do you do when it is hard to find a solution?
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|  Assessments: Progress Check Unit 3 |