**Grade: 4 Unit: 2 Multiply by 1-Digit Numbers**

### **Critical Area:** Developing understanding and fluency with multi-digit multiplication and developing understanding of dividing to find quotients involving multi-digit dividends.

***Standards Addressed:*** *4.OA.1, 4.OA.2, 4.OA.3, 4.NBT.1, 4.NBT.3, 4.NBT.5*

### **Focus Mathematical Practices:**

### MP.1 Make sense of problems and persevere in solving them.

* MP.4 Model with mathematics.

To be completed on or about:

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| Prerequisites | Targets | Extensions |
| Prior Learning:Last year students used place value to round to nearest 10 or 100 and fluently add and subtract to 1000. | Interpret a multiplication equation as a comparison, e.g., interpret 35 = 5 × 7 as a statement that 35 is 5 times as many as 7 and 7 times as many as 5. Represent verbal statements of multiplicative comparisons as multiplication equations.Multiply to solve word problems involving multiplicative comparison, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem. |  |
|  | Multiply a whole number of up to four digits by a one-digit whole number using place-value understanding and properties in combination with;* Expanded form,
* The Distributive Property,
* Partial products
* Mental math, and
* Regrouping

to solve problems.Estimate products by rounding and determine if exact answers to multiplication problems are reasonable. |  |
|  | Solve multistep word problems posed with whole numbers and having whole-number answers using multiplication, addition and subtraction; * Represent these problems using equations with a letter standing for the unknown quantity and by drawing a diagram..
* Assess the reasonableness of answers using mental computation and estimation strategies including rounding.
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