# CAR Unit Template

## Unit Title: Mathematics – Multi-digit Multiplication and Division & Fraction Equivalence – Unit 2 - Module A

**Grade level: Grade 4**

**Timeframe:**

## Essential Questions

## Standards

### Standards (Taught and Assessed):

 **4.NBT.B.5** Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.

 **4.NBT.B.6** Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.

 **4.OA.A.3** Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.

 **4.MD.A.3** Apply the area and perimeter formulas for rectangles in real world and mathematical problems. *For example, find the width of a* *rectangular room given the area of the flooring and the length, by viewing the area formula as a multiplication equation with an unknown factor.*

**4.NBT.B.4** Fluently add and subtract multi-digit whole numbers using the standard algorithm.

**Key**: Major Cluster Supporting Cluster Additional Cluster

### Highlighted Career Ready Practices and 21st Century Themes/Skills

### Social-Emotional Learning Competencies

## Instructional Plan

Pre-Assessment and Reflection

| **Pre-Assessment** | **Modifications (ELL, Special Education, Gifted, At-risk of Failure, 504) and Reflections** |
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Student Learning Objectives (SLO), Strategies, Formative Assessment, Activities and Resources (add rows as needed)

| **SLO – WALT****We are learning to/that** | **Student Strategies** | **Formative Assessment** | **Activities and Resources** | **Modifications (ELL, Special Education, Gifted, At-risk of Failure, 504) and Reflections** |
| --- | --- | --- | --- | --- |
| **4.NBT.B.5 – WALT** multiply up to four-digit by one digit numbers using strategies based on place value and properties of operations |  |  |  |  |
| **4.NBT.B.5 – WALT** multiply two two-digit numbers using strategies based on place value and properties of operations |  |  |  |  |
| **4.NBT.B.5 – WALT** illustrate and explain the multiplication calculation by using equations, rectangular arrays, and area models |  |  |  |  |
| **4.NBT.B.6 – WALT** find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors using strategies based on place value |  |  |  |  |
| **4.NBT.B.6 – WALT** illustrate and explain the division calculation by using equations, rectangular arrays, and/or area models |  |  |  |  |
| **4.NBT.B.6 – WALT** find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors using strategies based properties of operations and/or the relationship between multiplication and division |  |  |  |  |
| **4.OA.A.3 – WALT** solve multi-step whole number word problems that have whole number answers, including problems in which remainders must be interpreted |  |  |  |  |
| **4.OA.A.3 – WALT** represent these problems using equations with a letter standing for the unknown quantity |  |  |  |  |
| **4.OA.A.3 – WALT** assess the reasonableness of answers using mental computation, estimation strategies, and rounding |  |  |  |  |
| **4.MD.A.3 – WALT** apply the area formula for rectangles in real world and mathematical problems |  |  |  |  |
| **4.MD.A.3 – WALT** apply perimeter formulas for rectangles in real world and mathematical problems |  |  |  |  |
| **4.NBT.B.4 – WALT** add multi-digit whole numbers using the standard algorithm working towards accuracy and efficiency |  |  |  |  |
| **4.NBT.B.4 – WALT** subtract multi-digit whole numbers using the standard algorithm working towards accuracy and efficiency |  |  |  |  |

Benchmark Assessment 1

| **Benchmark Assessment** | **Modifications (ELL, Special Education, Gifted, At-risk of Failure, 504) and Reflections**  |
| --- | --- |
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Benchmark Assessment 2

| **Benchmark Assessment**  | **Modifications (ELL, Special Education, Gifted, At-risk of Failure, 504) and Reflections** |
| --- | --- |
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Summative Assessments (add rows as needed)

| **Summative Assessment**  | **Modifications (ELL, Special Education, Gifted, At-risk of Failure, 504) and Reflections** |
| --- | --- |
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Interdisciplinary Connections

| **Interdisciplinary Connections** | **Modifications (ELL, Special Education, Gifted, At-risk of Failure, 504) and Reflections** |
| --- | --- |
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