MP2a-Use Strategies And Properties To Multiply By 2-Digit Numbers

Content Area: **Mathematics**
Course(s): **Math 4 Resource Room**
Time Period: **Marking Period 2**
Length: **MP2 Topic 4 4-1 to 4-11**
Status: **Published**

Essential Questions

- How can you use a model to multiply?
- How can you use the Distributive Property to multiply?
- How can you use multiplication to solve problems?

Big Ideas

- **Multiplication by 2-Digit Numbers:** The algorithm for multiplying two 2-digit numbers is using models to multiply a 2-digit number by a multiple of 10 and to multiply using partial products.
- **Solve One-Step Problems:** Students will use multiplication to solve problems involving whole numbers.

Enduring Understandings

Operations and Algebraic Thinking

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.

Number and Operations in Base Ten

4.NBT.B.5 [M] 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 model.

Mathematical Practices Focus

4. Model with mathematics.