Grade 3 Properties of Multiplication Lesson 4: Distributive Property of Multiplication PART 2

Rationale: Today's lesson teaches students to use the Distributive property to solve a multiplication problem. **Please teach this lesson before you teach PROPERTIES & EXTENDING MULTIPLICATION STRATEGIES UNIT.

Objective: I can multiply the I-digit factor by the value in the tens and ones place, then add to solve.

AND

I can multiply the sum of 2 numbers OR I can multiply the factor by each addend to get the same product.

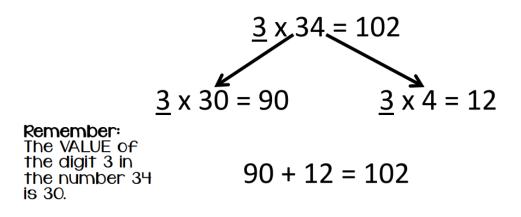
Vocabulary: distributive property, multiplication, product

Materials: Dry erase boards, Copy of the Must Do worksheet

Lesson:

I. Tell students, "You have been breaking numbers apart and putting them back together for many years. Remember how you can break a number into its place value, which can make it easier to add or subtract?" Ask students to give an example of this. (ie. 64 + 13 can be decomposed into 60 + 4 and 10 + 3; 60+10=70 and 4+3=7; therefore the sum is 77).

2... Project and discuss with students why the Distributive Property works:



3. Have students practice drawing an area model to solve.

4. Project: Have students pick a problem to solve on dry erase boards. Have a partner check the work as they ensure they are breaking apart numbers, multiplying, and adding them back together using an AREA MODEL. Repeat with a few more problems.

Directions: Solve each problem by multiplying the 1-digit factor by the value in the tens and ones place. Then add to solve.

2 x 35 =	3 x 26 =	4 x 53 =
4 x 32 =	3 x 82 =	5 x 65 =

8. Must Do