Lesson 4-2 Use Models to Multiply 2-Digit Numbers by Multiples of 10



Standard:

Multiply a whole number of up to three digits by a one-digit whole number, and multiply up to two two-digit numbers with place value understanding using area models, partial products, and the properties of operations. Use models to make connections and develop the algorithm.

I Can Statement:

I can use models and properties of operations to help multiply.

Essential Question:

How can you use an array or an area model to multiply?



Objective:

I can use models and properties of operations to multiply 2-digit numbers by multiples of 10.





This model shows 10 groups of 21 or 10 x 21.



Another Way:

Look at another model that models the same problem. Break 21 apart using place-value and write the expanded form on top. Then write the other factor, 10, on the side. Multiply 10 \times 20 and 10 \times 1 and then add the two partial products!













Use area model to find 93 x 40







TRY



Use area model to find 72 x 50







TRY



Mrs. Broadus has 27 scholars in her class. Each scholar raised \$70 for the ice skating field trip. How much money did the scholars raise for the trip?







20 + 7







Independent Practice

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Homework Practice Buddy 4.2