Grade: 3 **Topic: Multiply 1-Digit by Multiples of 10 (3.NBT.3)**

Key Vocabulary:

Place Value: The value of a digit depending on its place in a number.

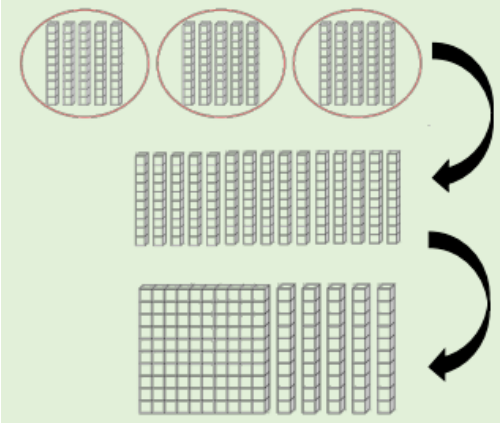
Product: The result when two numbers are multiplied.

Multiples: A sequence of products using the same base number multiplied by different numbers

Key Ideas:
Students extend on their work from multiplication by applying their understanding to involve the multiplication of a one-digit whole number by a multiple of 10 between 10 and 90 of place value.

The focus should be on concrete and pictorial models (pictures and drawings of base ten or place value blocks). By using concrete and pictorial representations students develop an understanding that 10 tens can be grouped together to make 100.

For Example:
The product 3 x 50 can be represented as 3 groups of 5 tens. Which is 15 tens, which is 150.



Sample Problems:

40 x 3 =	Cynthis has 2 packs of pencils and there are 30 pencils in a pack. Cynthia has 19 more than Ricardo. How many pencils do they both have?	Jon has 30 toy cars. He wants to give the toy cars to 6 of his friends. **S** is the number of toy cars that Jon will give to each friend. Which expression can Jon use to figure out how many toy cars he should give to each friend? A) 30 x 6 = S B) 30 - 6 = S C) S x 6 = 30 D) S + 6 = 30