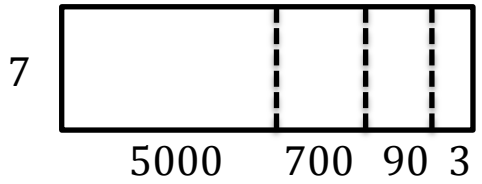
4.NBT.5

I can multiply multi-digit numbers

Steps:

1. Draw an area model to represent the multiplication equation.
2. Partition the area model using place value
3. Write the numbers being multiplied in expanded form along the bottom and sides of the area model.
4. Multiply the numbers along the bottom with the numbers along the side.
5. Write each equation and product off to the side.
6. Add up the partial products to find the solution.

7 x 5,793 = 40,551



7 x 5000 = 35,000

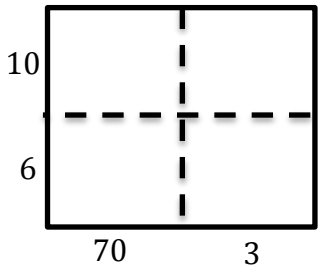
7 x 700 = 4900

7 x 90 = 630

7 x 3 = 21

35000
4900
+ 630
21
40,551

16 x 73 = 1,168



10 x 70 = 700

10 x 3 = 30

6 x 70 = 420

6 x 3 = 18

700
420
+ 30
18
1,168