## 4.NBT.5 Multiply 2- digit by 2-digit area models

I can multiply multi-digit numbers using various strategies: area models & partial products



# distributive property

To give a share or part of something.





### area model

Figure used to represent area.

Example:





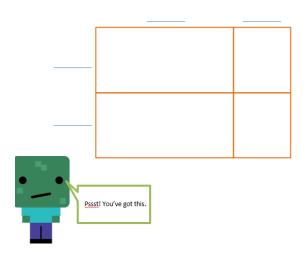
- Break apart numbers into expanded form.
- Multiply the side number(s) by the top number(s).
- 3. Add the products together.

	20	7
40	40 x 20 = 800	4 x 7 = 28
9	9 x 20 = 180	9 x 7 = 63

# PRACTICE



#### 12 x 45



- Break apart numbers into expanded form.
- 2. Multiply the side number(s) by the top number(s).
- Add the products together.

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