

Name: Class:

Multiply 1 - digit numbers by 2 - digit numbers using area models

1. Find the product of 7×35 using the area model below.



2. Draw a model that represents 6×47 .

3. Draw a model that represents 4×86 .

4. Find the product of 9×16 using the area model below.

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Multiply 1 - digit numbers by 2 - digit numbers using area models

1. Find the product of 7×35 using the area model below.

Let's first of all multiply the side lengths to get the area of each section.



Now, let's add all the figures in each section to get the area of the model.

$$210 + 35 = 245$$

$$\text{So, } 7 \times 35 = 245$$

2. Draw a model that represents 6×47 .

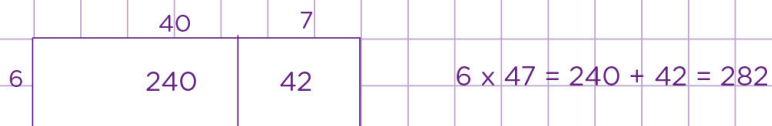
Let's first of all break the two digit numbers in to tens and ones.

$$6 \times 47 = 6 \times (40 + 7).$$

Secondly, let's interpret the expression $6 \times (40 + 7)$.

The expression shows that one side length of the model will be 6 and the side length will be $(40 + 7)$.

Finally, let's draw a model to show this



3. Draw a model that represents 4×86 .



4. Find the product of 9×16 using the area model below.

