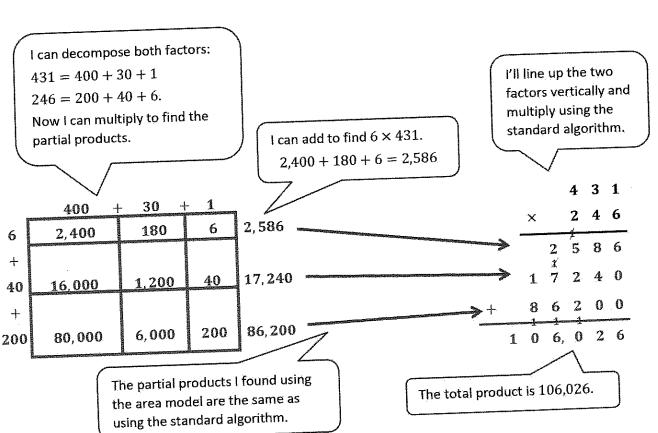
G5-W2-Lesson 7

1. Draw an area model. Then, solve using the standard algorithm. Use arrows to match the partial products from the area model to the partial products in the algorithm.

$$431 \times 246 = \underline{106,026}$$



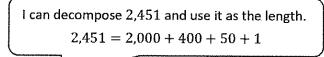
5 1

5 7

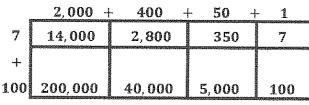
6 2, 2

2. Solve by drawing the area model and using the standard algorithm.

$$2,451 \times 107 = 262,257$$



I multiply to find the partial products.



17, 157 1 5 7 245, 100 5 1 0 0

I decompose the width, 107. 107 = 100 + 7

Since there's a 0 in the tens place, there are 0 tens in the width of the area model.

3. Solve using the standard algorithm.

$$7,302 \times 408 = 2,979,216$$

 $8 \text{ ones} \times 3 \text{ hundreds} = 24 \text{ hundreds} =$ 2 thousands 4 hundreds. I'll record 2 in the thousands place and write 4 in the hundreds place.

7. 3 0 2 0 8

 $8 \text{ ones} \times 2 \text{ ones} = 16 \text{ ones} =$ 1 ten 6 ones. I'll record 1 in the tens place and write 6 in the ones place.

 $4 \text{ hundreds} \times 3 \text{ hundreds} =$ 12 ten thousands. I'll record 1 in the hundred thousands place and write 2 in the ten thousands place.

8 4 1 6 2 8 0 0 9, 2

> 4 hundreds + 8 hundreds = 12 hundreds = 1 thousand 2 hundreds. I'll record 1 in the thousands place and write 2 in the hundreds place.