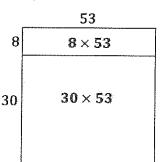
G4-M3-Lesson 38

1. Express 38×53 as two partial products using the distributive property. Solve.



$$38 \times 53 = (8 \text{ fifty-threes}) + (30 \text{ fifty-threes})$$

I can solve for each of the partial products and find their sum to verify that I solved the 2-digit by 2-digit algorithm correctly.

5

3

2. Express 34×44 as two partial products using the distributive property. Solve.

$$34 \times 44 = (\underline{4} \times \underline{44}) + (\underline{30} \times \underline{44})$$

4

0

0

0

0

3

2

0

2

X

same

2

3

3. Solve the following using two partial products.

4. Solve using the multiplication algorithm.

3 6

 62×36

2 ones \times 6 ones = 12 ones. I represent 12 ones as 1 ten 2 ones.

6 2 X 2. 2, 3 2

 $2 \text{ ones} \times 3 \text{ tens} = 6 \text{ tens}$. 6 tens + 1 ten = 7 tens. I cross off 1 ten to show that I add it to 6 tens.

 $6 \text{ tens} \times 6 \text{ ones} = 36 \text{ tens}$. I represent 36 tens as 3 hundreds 6 tens 0 ones.

 $6 \text{ tens} \times 3 \text{ tens} = 18 \text{ hundreds}.$ 18 hundreds + 3 hundreds = 21 hundreds. I cross off 3 hundreds to show that I add it to 18 hundreds.