## Lesson 10: Using Algorithms with Partial Products: 2 Two-digit Numbers

* Let’s try to multiply two-digit numbers with an algorithm that uses partial products.

### Warm-up: Number Talk: Products

Find the value of each expression mentally.

* $30×7$
* $15×14$
* $50×8$
* $25×16$

### 10.1: Partial Products, Recorded

1. Tyler used an algorithm to find the value of $64×87$.
* 
* How do you think he arrived at the last five numbers? Record your thinking. Be prepared to share it with a partner.
1. Use Tyler’s method to find the value of $31×15$. Then, draw a diagram to check your answer.

### 10.2: Han’s Multiplication Mishap

1. Decide with your partner who will find each product. Show your reasoning.
* 
* 
1. Here is Han’s computation of $51×47$.
* 
	1. What error or errors did Han make?
	2. Show the correct computation for finding the value of $51×47$.
	+ 



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