

#### **Grade 4 Unit 6**

Lesson 10

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## Unit 6 Lesson 10: Using Algorithms with Partial Products: 2

## **Two-digit Numbers**

### **WU Number Talk: Products (Warm up)**

#### Student Task Statement

Find the value of each expression mentally.

- 30 × 7
- 15 × 14
- 50 × 8
- 25 × 16

### 1 Partial Products, Recorded

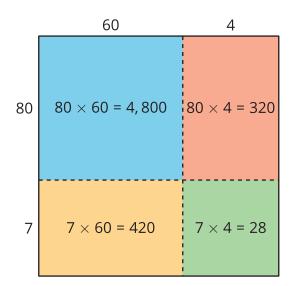
#### Student Task Statement

1. Tyler used an algorithm to find the value of  $64 \times 87$ .

How do you think he arrived at the last five numbers? Record your thinking. Be prepared to share it with a partner.

2. Use Tyler's method to find the value of  $31 \times 15$ . Then, draw a diagram to check your answer.

### **Activity Synthesis**



# 2 Han's Multiplication Mishap

### Student Task Statement

1. Decide with your partner who will find each product. Show your reasoning.

2. Here is Han's computation of  $51 \times 47$ .

- a. What error or errors did Han make?
- b. Show the correct computation for finding the value of  $51 \times 47$ .