## 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.

### 1 Partial Products, Recorded

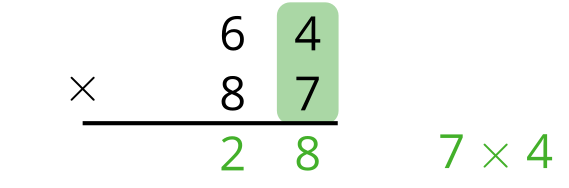
#### Student Task Statement

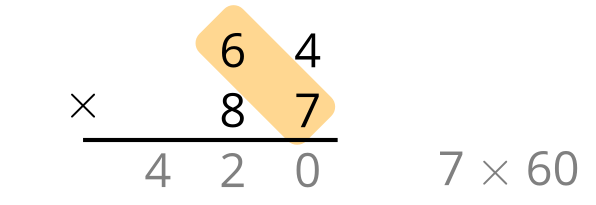
1. Tyler used an algorithm to find the value of .

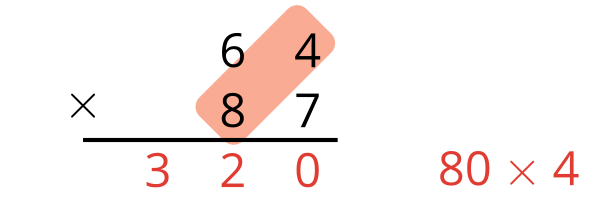
* 
* How do you think he arrived at the last five numbers? Record your thinking. Be prepared to share it with a partner.

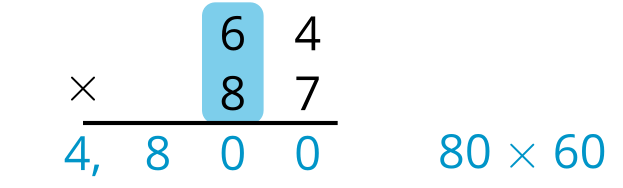
1. Use Tyler’s method to find the value of . Then, draw a diagram to check your answer.

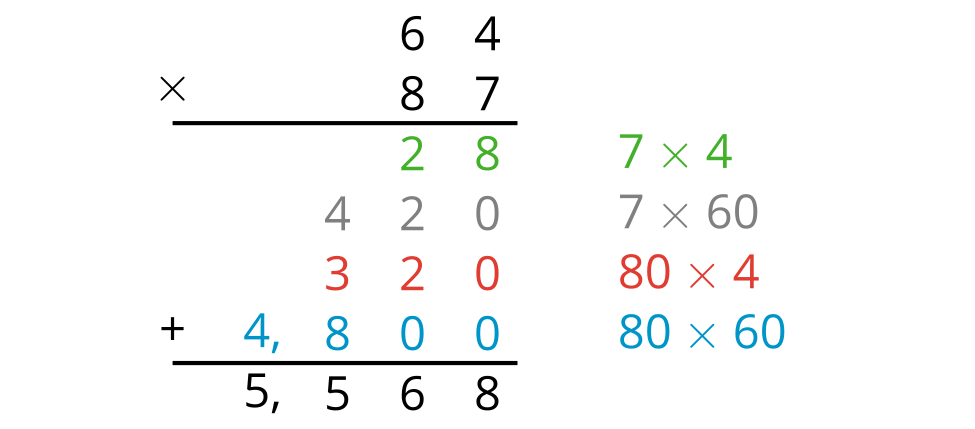
#### Activity Synthesis

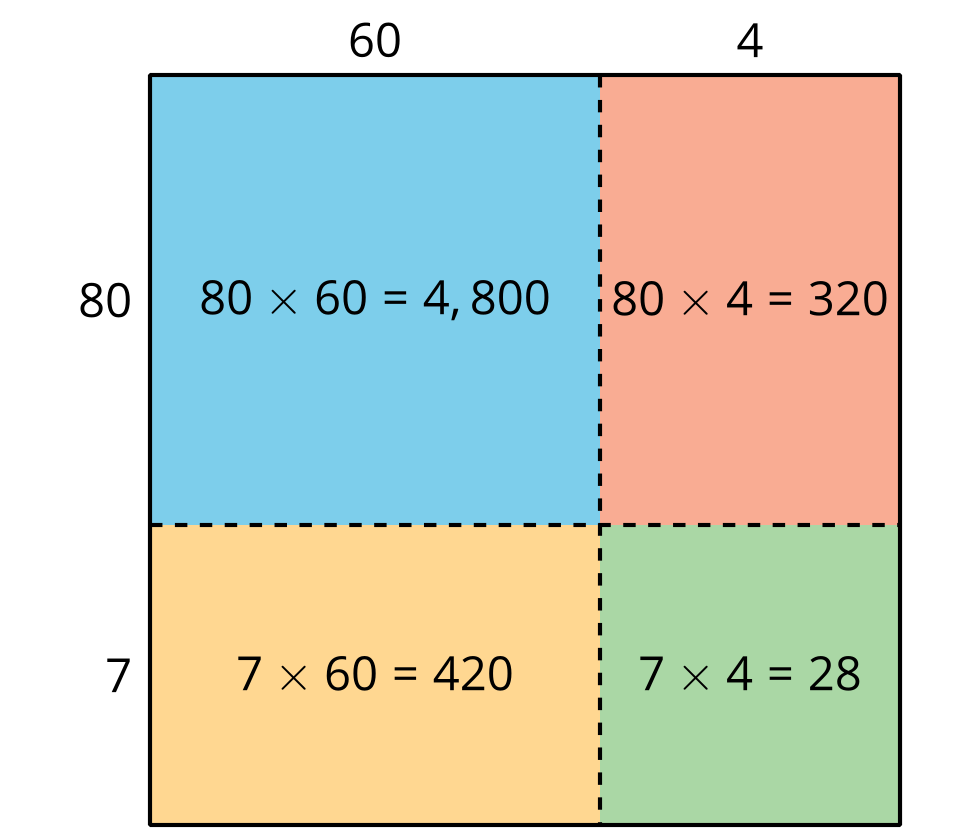








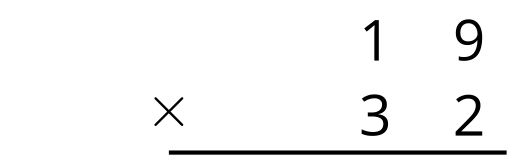
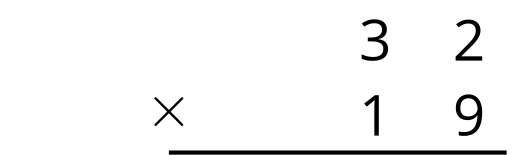




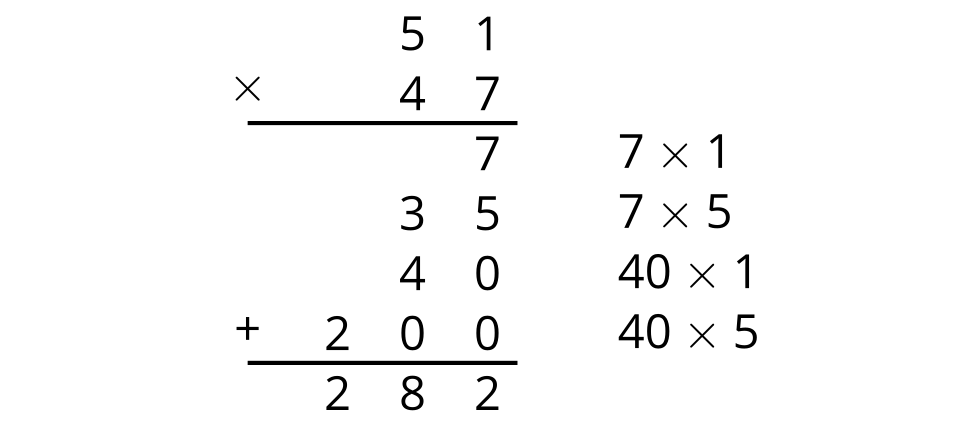
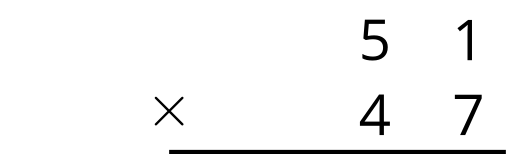
### 2 Han’s Multiplication Mishap

#### Student Task Statement

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

* 
* 

1. Here is Han’s computation of .

* 
  1. What error or errors did Han make?
  2. Show the correct computation for finding the value of .
  + 



© CC BY 2021 Illustrative Mathematics®