

Lesson 5: Another Addition Algorithm

• Let's learn another algorithm to add.

Warm-up: Notice and Wonder: Another Curious Table

What do you notice? What do you wonder?

+	98	99	100	101	102
98		197		199	
99	197		199		201
100		?		?	
101	199		201		203
102		201		203	



5.1: A New Addition Algorithm

Here are two algorithms for adding 367 + 231.

Han's algorithm

Elena's algorithm

Discuss with your partner:

1. How is Elena's algorithm different from Han's algorithm?

2. Why do both algorithms work?



5.2: Compose New Units

Here are two algorithms for adding 365 + 182.

Han's algorithm

Elena's algorithm

- 1. How do the algorithms show the 14 tens differently?
- 2. Try Elena's algorithm to find the value of each sum.

a.
$$174 + 352$$



b.
$$273 + 619$$

c.
$$354 + 198$$

$$d.525 + 376$$