## 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.
	1. $174+352$
	2. $273+619$
	3. $354+198$
	4. $525+376$



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