## Lesson 4: Standard Algorithm: One-digit and Multi-digit Numbers with Composing

* Let’s use the standard algorithm to multiply one-digit numbers and multi-digit numbers.

### Warm-up: Number Talk: Partial Product

Find the value of each product mentally.

* $3×3$
* $3×20$
* $3×600$
* $3×623$

### 4.1: Compose with the Standard Algorithm

Here is how Han calculated $318×3$ using partial products.



Here is how Elena calculated $318×3$ using the standard algorithm.



1. What does the 2 in Elena’s calculation represent? Explain or show your reasoning.
2. What does the 5 in Elena’s solution represent? Explain or show your reasoning.

### 4.2: Use the Standard Algorithm

Calculate each product using Elena’s strategy.

1. $3,​615×4$
2. $16,​023×3$
3. $27,​326×3$
4. $10,​215×6$



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