

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.

$$1.3,615 \times 4$$

$$2.16,023 \times 3$$

$$3.27,326 \times 3$$

4.
$$10,215 \times 6$$