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

## WU Number Talk: Partial Product (Warm up)

### Student Task Statement

Find the value of each product mentally.

- $3 \times 3$
- $3 \times 20$
- $3 \times 600$
- $3 \times 623$

## 1 Compose with the Standard Algorithm

### Student Task Statement

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

```
      3  1  8
  ×         3
  ─────────────
         2  4
         3  0
  +   9  0  0
  ─────────────
      9  5  4
```

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

```
         2
      3  1  8
  ×         3
  ─────────────
      9  5  4
```

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.

## 2 Use the Standard Algorithm

Student Task Statement

Calculate each product using Elena's strategy.

1. $3{,}615 \times 4$
2. $16{,}023 \times 3$
3. $27{,}326 \times 3$
4. $10{,}215 \times 6$