## Lesson 6: Standard Algorithm: Multi-digit Numbers with Composing

* Let’s multiply with the standard algorithm and compose new units.

### Warm-up: Number Talk: Three Factors

Find the value of each product mentally.

* $\left(2×3\right)×10$
* $\left(2×40\right)×10$
* $\left(2×200\right)×10$
* $\left(2×243\right)×10$

### 6.1: Compose a New Unit

1. Find the value of $241×23$ .
2. Lin used the standard algorithm to find the value of $241×23$. Here is her work:
* 
	1. Where do you see $241×3$ in Lin’s work?
	2. Where do you see $241×20$ in Lin’s work?
	3. What does the 1 above 241 represent in Lin’s calculation?
1. Use the standard algorithm to find the value of $182×41$.
2. Use the standard algorithm to find the value of $304×23$.

### 6.2: All the Products

Find the value of each product using the standard algorithm.

1. $647×9$
2. $647×50$
3. $647×59$
4. $264×38$



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