## Grade 5 Unit 4

Lesson 6
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## Unit 4 Lesson 6: Standard Algorithm: Multi-digit Numbers with Composing

WU Number Talk: Three Factors (Warm up)
Student Task Statement
Find the value of each product mentally.

- $(2 \times 3) \times 10$
- $(2 \times 40) \times 10$
- $(2 \times 200) \times 10$
- $(2 \times 243) \times 10$


## 1 Compose a New Unit

## Student Task Statement

1. Find the value of $241 \times 23$.
2. Lin used the standard algorithm to find the value of $241 \times 23$. Here is her work:

| 1 |
| ---: |
| 241 |
| $\times \quad 2$ |
| 13 |
| 723 |
| 48 |

a. Where do you see $241 \times 3$ in Lin's work?
b. Where do you see $241 \times 20$ in Lin's work?
c. What does the 1 above 241 represent in Lin's calculation?
3. Use the standard algorithm to find the value of $182 \times 41$.
4. Use the standard algorithm to find the value of $304 \times 23$.

## 2 All the Products

## Student Task Statement

Find the value of each product using the standard algorithm.

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

Images for Activity Synthesis

| 1 | 1 |  |
| ---: | ---: | ---: |
| 5 | 3 |  |
| 2 | 6 | 4 |
| $\times$ |  | 3 |
| 1 |  |  |
| 2, | 1 | 1 |
|  | 2 |  |
|  | 9 | 2 | 0

