

Grade 5 Unit 4

Lesson 6

CC BY 2021 Illustrative Mathematics®

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 241×23 .
- 2. Lin used the standard algorithm to find the value of 241×23 . Here is her work:

- a. Where do you see 241×3 in Lin's work?
- b. Where do you see 241×20 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 182×41 .
- 4. Use the standard algorithm to find the value of 304×23 .

2 All the Products

Student Task Statement

Find the value of each product using the standard algorithm.

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

Images for Activity Synthesis