

**Using the Whiteboard**

- Have a student fill in the blank lines for the expanded form and Distributive Property using the **Pen**.
- Tap the first **Action Arrow**. Invite a different volunteer to use the **Highlighter Tool** to shade the hundreds section of the model and use the **Pen** to write the product for the hundreds place.
- Tap the second **Action Arrow**. Invite a different volunteer to use the **Highlighter Tool** to shade the tens section of the model in a different color and use the **Pen** to write the product for the tens place.

Teaching the Math

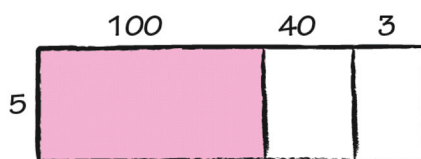
Students use expanded form and the Distributive Property to multiply a 3-digit number by a 1-digit number. Work through the steps with students.

Ask: How can you write a number in expanded form? **Possible answer:** Write the number as the sum of the value of each digit, starting with the greatest place value.

Ask: How do you use the Distributive Property to multiply? **Possible answer:** Multiply each addend in expanded form by the 1-digit number. Then add the partial products.

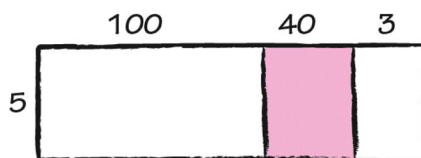
Answer Key

$$5 \times 143 = 5 \times (100 + 40 + 3) \\ = (5 \times 100) + (5 \times 40) + (5 \times 3)$$

SHADE THE MODEL**STEP 1****THINK AND RECORD**

Multiply the hundreds.

$$(5 \times 100) + (5 \times 40) + (5 \times 3) \\ \underline{500} + (5 \times 40) + (5 \times 3)$$

STEP 2

Multiply the tens.

$$(5 \times 100) + (5 \times 40) + (5 \times 3) \\ 500 + \underline{200} + (5 \times 3)$$