Unit 5 Lesson 3: Thousandths in Expanded Form

WU Which One Doesn't Belong: Different Ways to Express a Decimal Number (Warm up)

Student Task Statement
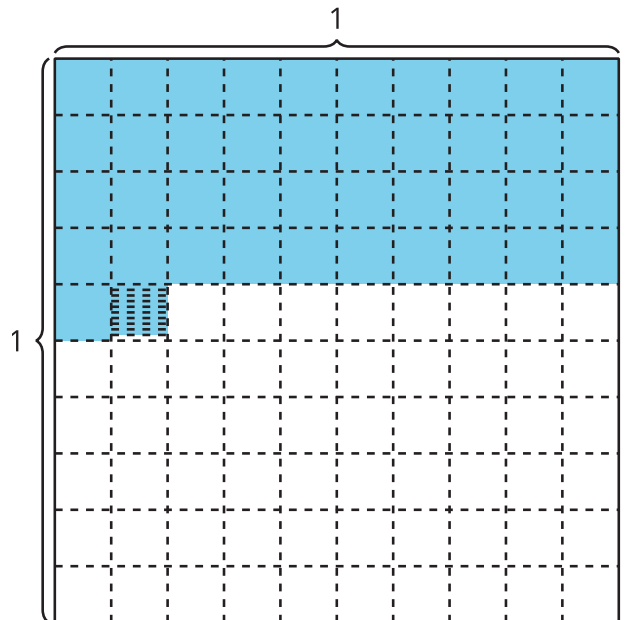
Which one doesn't belong?

A. $26 \div 100$

B. 0.26

C. 26×0.001

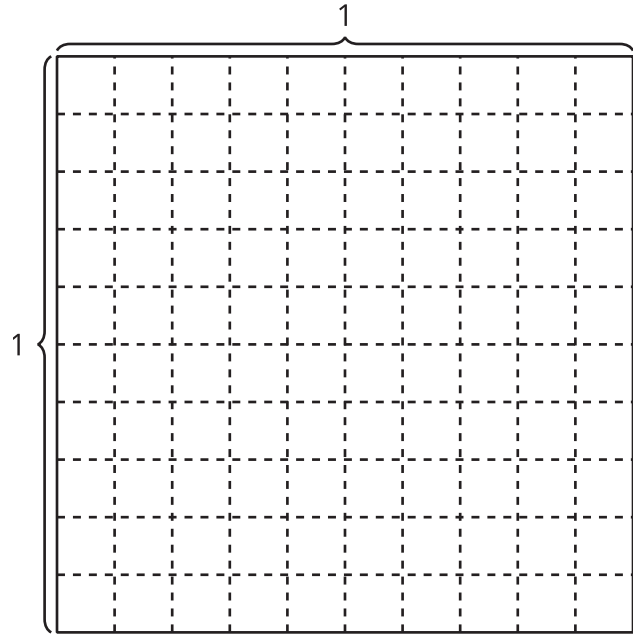D. $(2 \times 0.1) + (6 \times 0.01)$

1 Expanded Form

Student Task Statement

1. a. Explain or show why the shaded region represents $(4 \times 0.1) + (1 \times 0.01) + (9 \times 0.001)$.

b. What decimal number represents the shaded region?

2. a. Shade the grid to represent $(8 \times 0.1) + (3 \times 0.01) + (5 \times 0.001)$.

  b. Write the number $(8 \times 0.1) + (3 \times 0.01) + (5 \times 0.001)$ in decimal form.
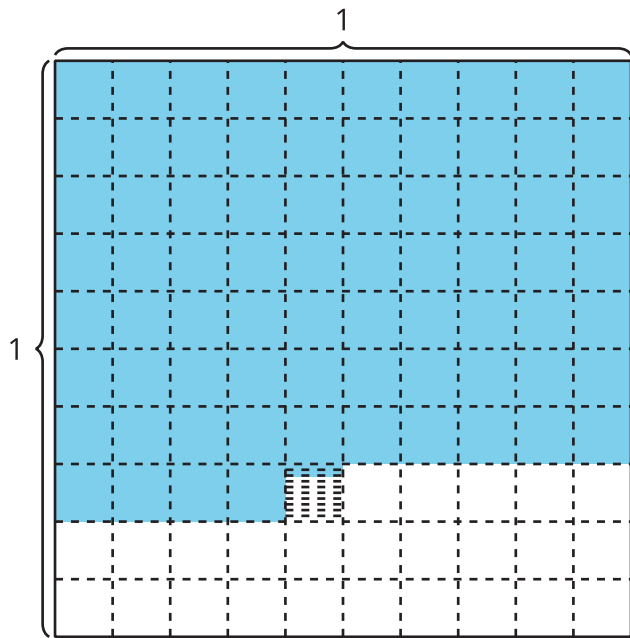
3. Mai says that the decimal 0.105 represents $(1 \times 0.1) + (5 \times 0.01)$. Do you agree with Mai? Explain or show your reasoning.
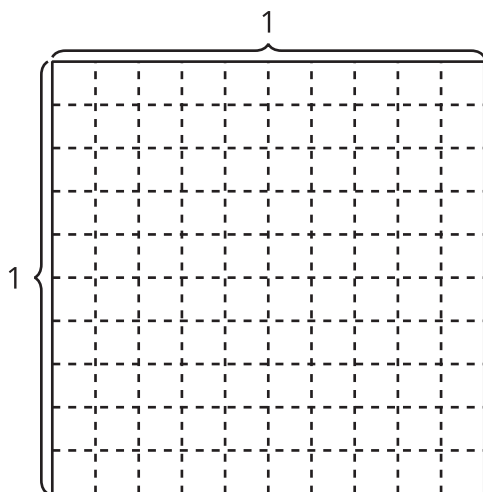
2 Decimal Numbers in Numerous Ways

Student Task Statement

Represent each number in as many ways as you can.

1.

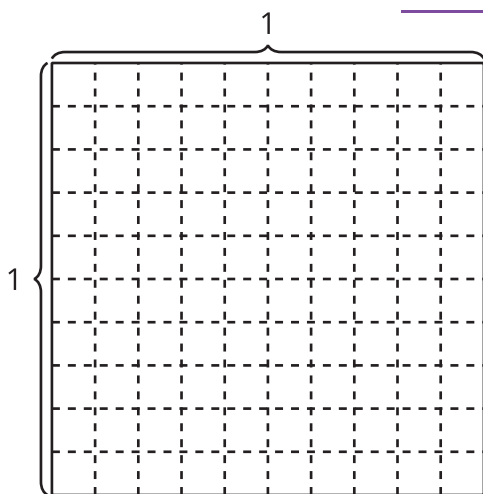2. $\frac{477}{1,000}$

3. one hundred thirty-six thousandths

4. $(3 \times 0.1) + (6 \times 0.01) + (8 \times 0.001)$