



# Thousandths in Expanded Form

Let's represent thousandths.

## Warm-up

### Which Three Go Together: Different Ways to Express a Decimal Number

Which 3 go together?

A

$$26 \div 100$$

B

$$0.26$$

C

$$26 \times 0.001$$

D

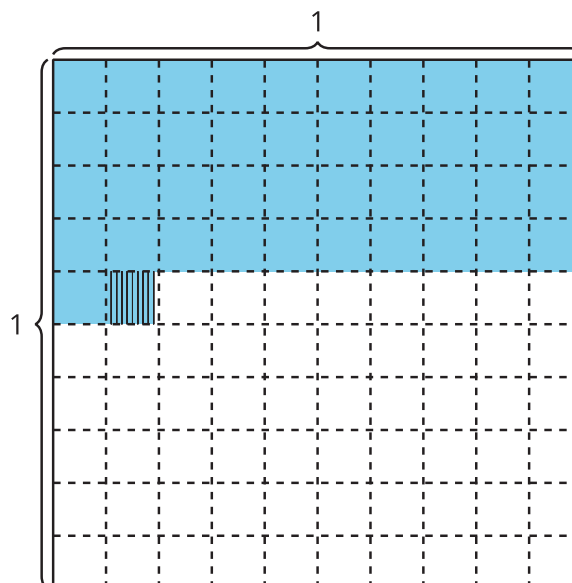
$$(2 \times 0.1) + (6 \times 0.01)$$



## Activity 1

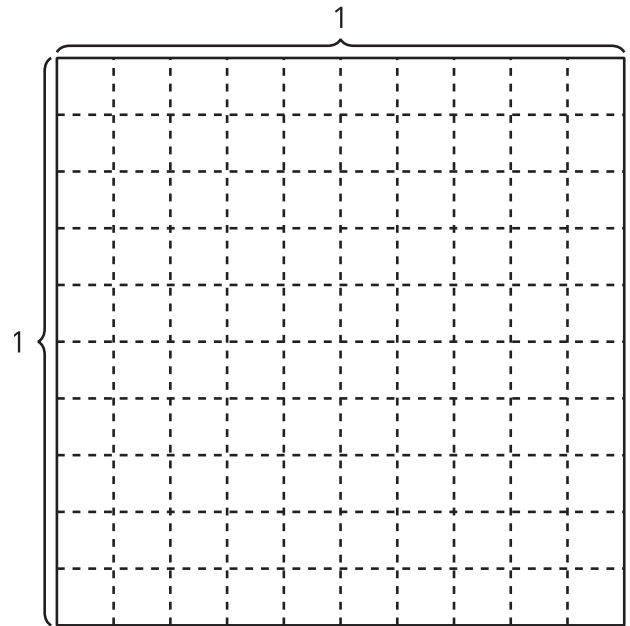
### Expanded Form

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 diagram 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 notation.



3. Mai says the decimal 0.105 represents  $(1 \times 0.1) + (5 \times 0.01)$ . Do you agree?

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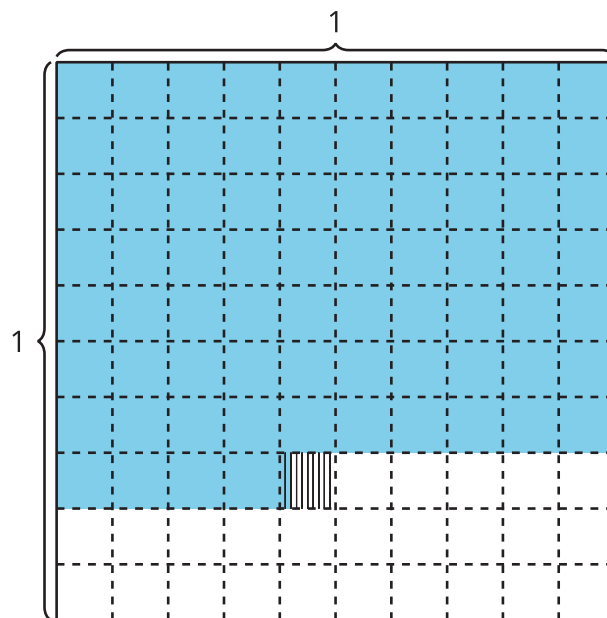
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## Activity 2

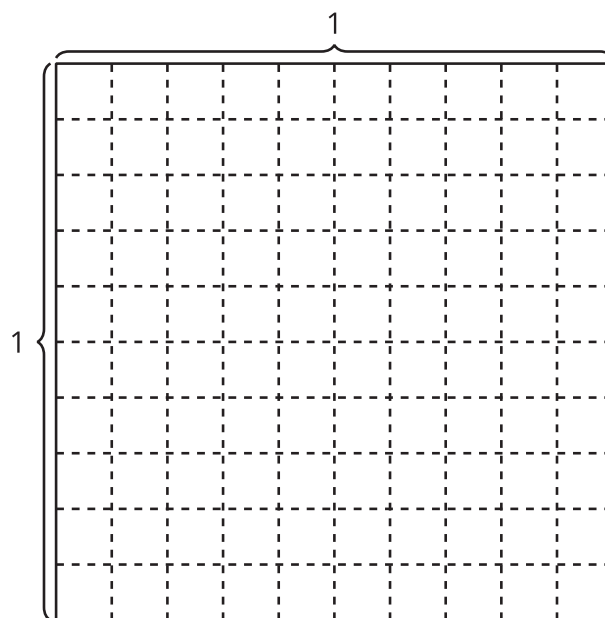
### Decimal Numbers in Numerous Ways

Represent each number in as many ways as you can.

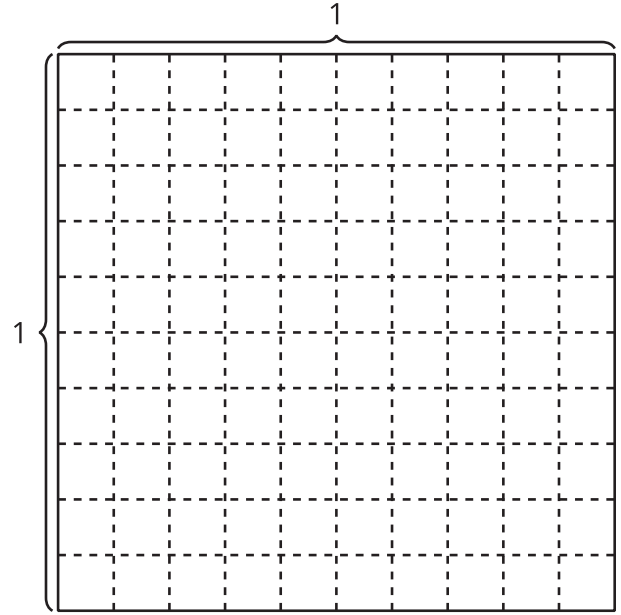
1.



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



3. one hundred thirty-six thousandths



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

