## 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?

1. $26÷100$
2. $0.26$
3. $26×0.001$
4. $\left(2×0.1\right)+\left(6×0.01\right)$

### 1 Expanded Form

#### Student Task Statement

* 1. Explain or show why the shaded region represents $\left(4×0.1\right)+\left(1×0.01\right)+\left(9×0.001\right)$.
	+ 
	1. What decimal number represents the shaded region?
	2. Shade the grid to represent $\left(8×0.1\right)+\left(3×0.01\right)+\left(5×0.001\right)$.
	3. Write the number $\left(8×0.1\right)+\left(3×0.01\right)+\left(5×0.001\right)$ in decimal form.
* 
1. Mai says that the decimal 0.105 represents $\left(1×0.1\right)+\left(5×0.01\right)$. 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.
* 
1. $\frac{477}{1,000}$
* 
1. one hundred thirty-six thousandths
* 
1. $\left(3×0.1\right)+\left(6×0.01\right)+\left(8×0.001\right)$
* 



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