Unit 5, Lesson 1

What Is a Thousandth?

Let's make sense of thousandths.

Warm-up

Estimation Exploration: 1 Tiny Piece

What fraction of the whole image is 1 single square tile?



Record an estimate that is:

too low	about right	too high

Activity 1

What Do You Know about Thousandths?

1. What do you know about 1 tenth?

2. What do you know about 1 hundredth?

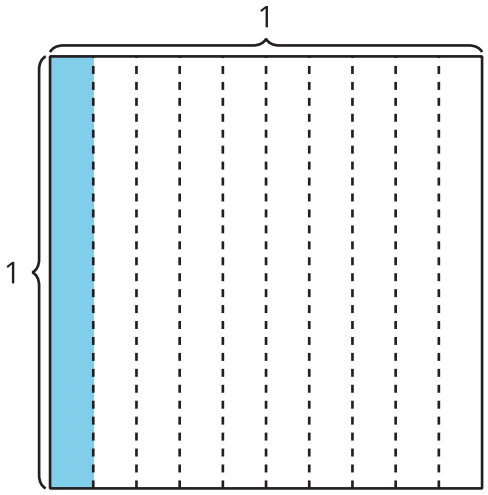
3. What do you know about 1 thousandth?

Activity 2

Represent Numbers on a Hundredths Diagram

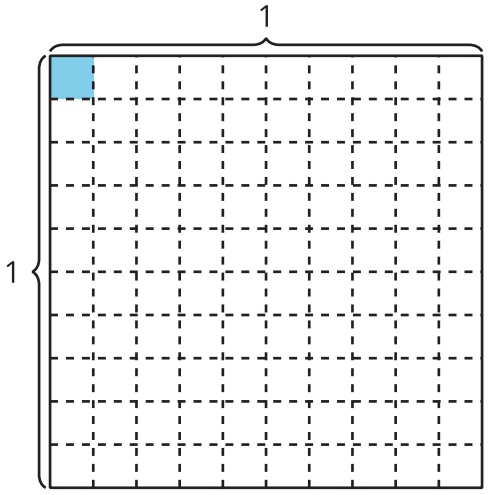
1. The large square represents 1. It is divided into 10 equal-size rectangles. What number does the shaded rectangle represent?

   Explain or show your reasoning.



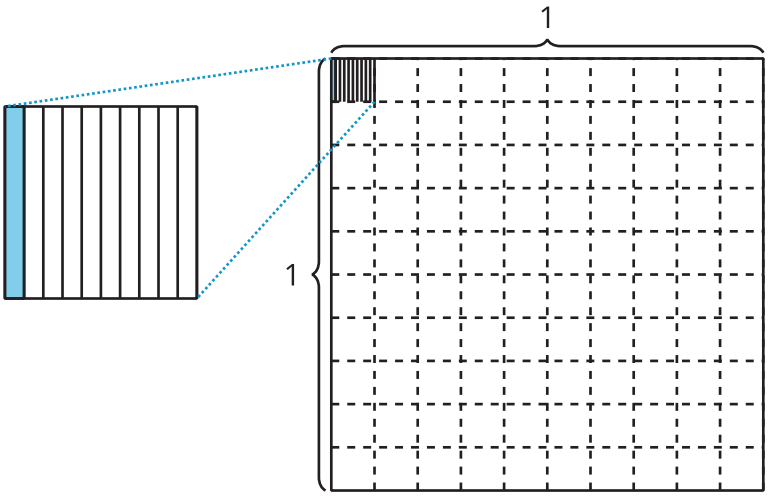
2. Each rectangle part from the previous diagram is now divided into 10 equal-size small squares. What number does the shaded small square represent?

   Explain or show your reasoning.



3. The shaded small square from the previous diagram is now divided into 10 equal-size small rectangles. One of those small rectangles is shaded. What number does the shaded small rectangle represent?

   Explain or show your reasoning.



4. How do you think $\frac{1}{1,000}$ is written as a decimal? Explain or show your reasoning.

fraction	decimal
$\frac{1}{10}$	0.1
$\frac{1}{100}$	0.01
$\frac{1}{1,000}$	?