## Lesson 1: What is One Thousandth?

* Let’s make sense of thousandths.

### Warm-up: Estimation Exploration: One Tiny Piece

What fraction of the whole picture is a single square tile?



Record an estimate that is:

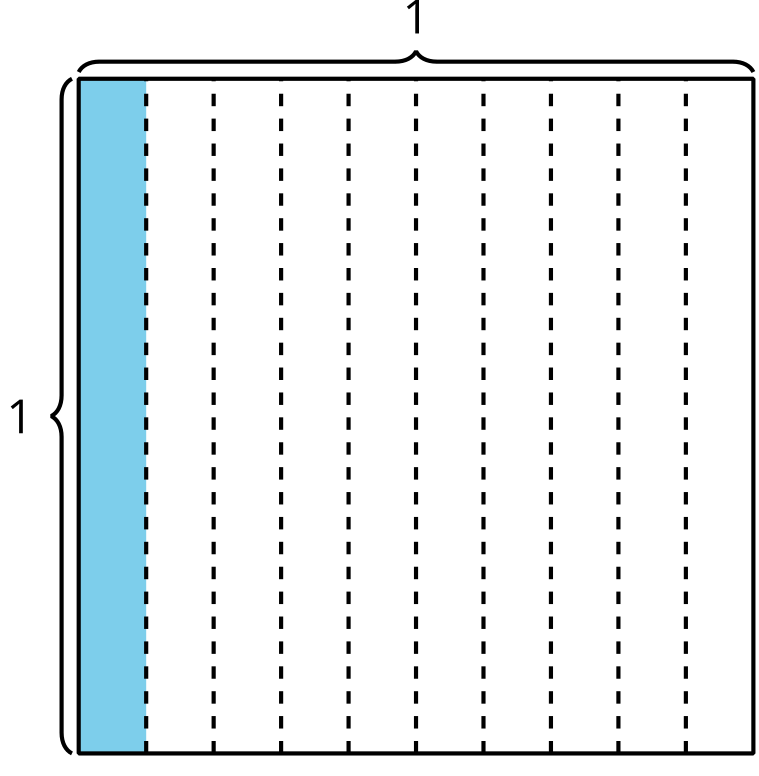
|  |  |  |
| --- | --- | --- |
| too low | about right | too high |
|  |  |  |

### 1.1: What Do You Know About Thousandths?

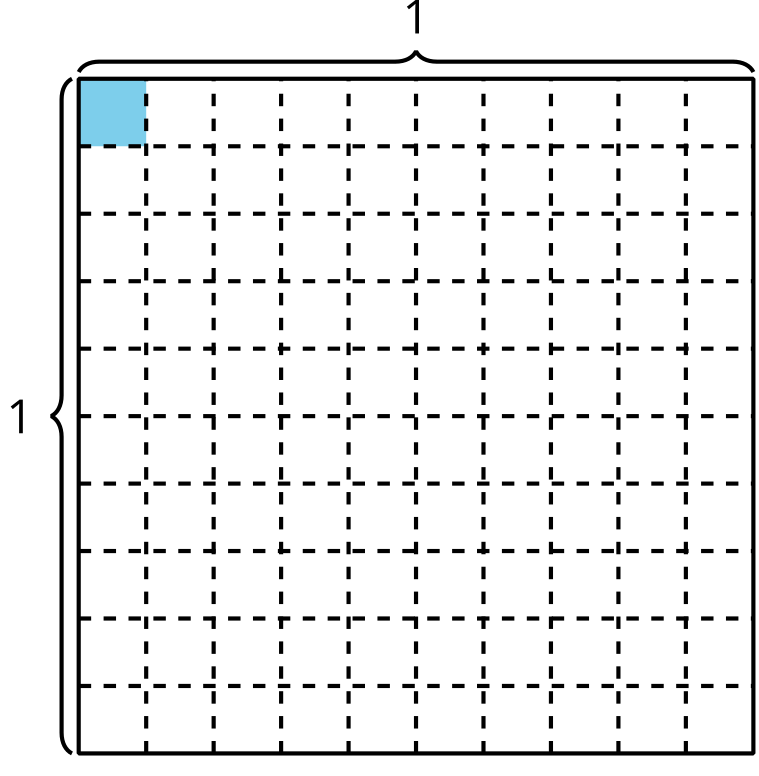
1. What do you know about 1 tenth?
2. What do you know about 1 hundredth?
3. What do you know about 1 thousandth?

### 1.2: Represent Numbers on a Hundredths Grid

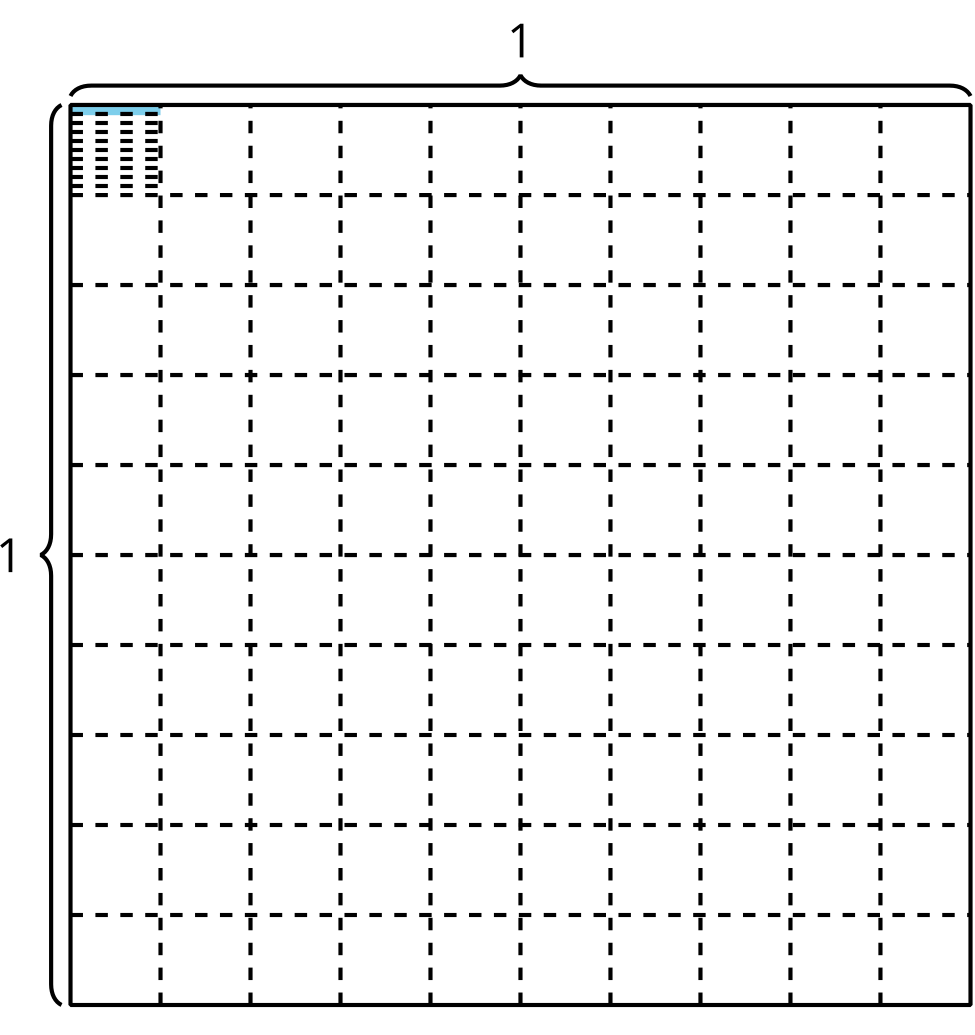
1. The grid represents 1. What does the shaded region represent?

* Be prepared to explain your reasoning.
* 

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* 

1. How many of the small rectangular pieces (one of them is shaded) are there in the unit square?

* Explain or show your thinking.
* 

| 1. Fraction | * Decimal |
| --- | --- |
|  | * 0.1 |
|  | * 0.01 |
|  | * ? |

* How do you think we write the number one thousandth as a decimal? Explain your reasoning.



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