Representing Decimals

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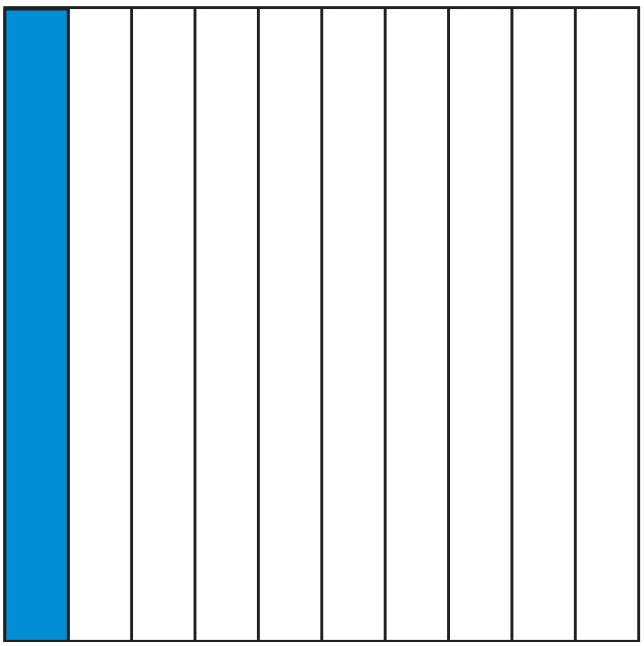
Math Words
- **tenths**
- **hundredths**

In each of the following examples, the whole square has been divided into equal parts and the amount shaded is named.

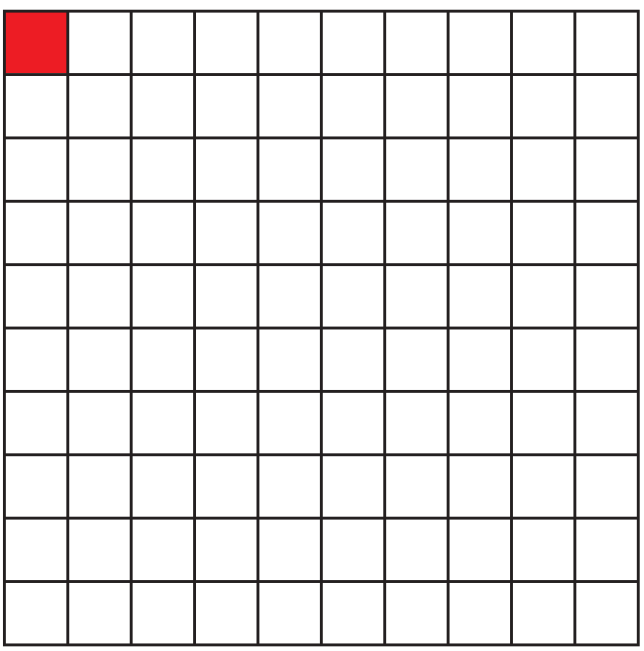


This square is divided into 10 parts. One out of the ten parts is shaded. Amount shaded:

one tenth

fraction: $\frac{1}{10}$

decimal: 0.1



This square is divided into 100 parts. One out of the hundred parts is shaded. Amount shaded:

one hundredth

fraction: $\frac{1}{100}$

decimal: 0.01

Representing Decimals

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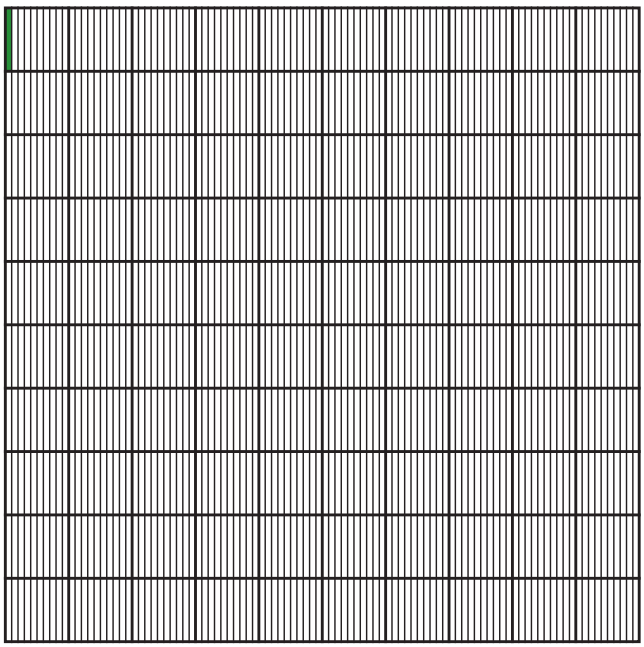
Math Words
- **thousandths**
- **ten thousandths**

In each of the following examples, the whole square has been divided into equal parts and the amount shaded is named.

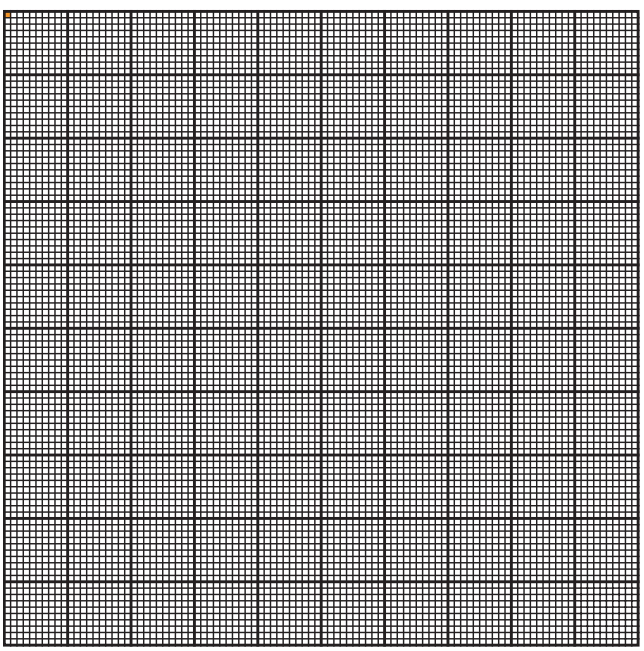


This square is divided into 1,000 parts. One out of the thousand parts is shaded. Amount shaded:

one thousandth

fraction: $\frac{1}{1000}$

decimal: 0.001



This square is divided into 10,000 parts. One out of the ten thousand parts is shaded. Amount shaded:

one ten-thousandth

fraction: $\frac{1}{10000}$

decimal: 0.0001

Can you prove that the thousandths square is divided into one thousand parts without counting them?