

As we know, tenths are a whole divided into ten (10) equal parts and hundredths are a whole divided into one hundred (100) equal parts. Can you guess what thousandths are? That's right (!) – a whole divided into one thousand (1000) equal parts; the next column in the Place Value grid to the right of the hundredths.

ones	decimal point	tenths	hundredths	thousandths
4	•			
0	•	4		
0	•	0	4	
0	•	0	0	4

As an example;

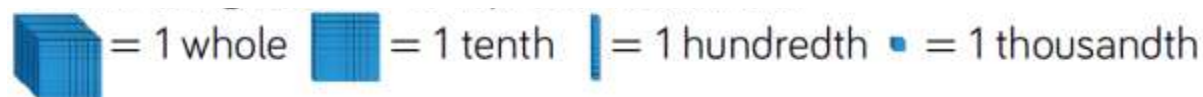
four ones = 4

four tenths ($\frac{4}{10}$) = 0.4

four hundredths ($\frac{4}{100}$) = 0.04, so

four thousandths ($\frac{4}{1000}$) = 0.004

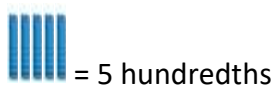
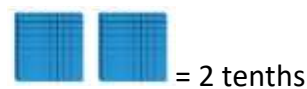
Base Ten resources can be used to show thousandths, hundredths, tenths;



1000 thousandths = 1 whole

100 thousandths = 1 tenth

10 thousandths = 1 hundredth



$$= 3.257, \text{ or } 3 \frac{257}{1000}$$

A note on decimals as fractions;

One decimal place (one digit to the right of the decimal point) = $\frac{x}{10}$ (tenths)

Two decimal places (two digits to the right of the decimal point) = $\frac{x}{100}$ (hundredths)

Three decimal places (three digits to the right of the decimal point) = $\frac{x}{1000}$ (thousandths)

$$0.2 = \frac{2}{10}$$

$$0.02 = \frac{2}{100}$$

$$0.28 = \frac{28}{100}$$

$$0.002 = \frac{2}{1000}$$

$$0.281 = \frac{281}{1000}$$

$$0.201 = \frac{201}{1000}$$