

# Place value again

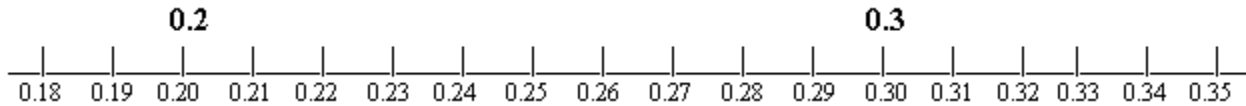
Look at the different place values in this number 2703.94.

2	7	0	3	.9	4
thou- sands	hund- reds	tens	ones	tenths	

What would be next place value after tenths?

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$2 \times 1000$	(thousands)
$7 \times 100$	(hundreds)
$0 \times 10$	
$3 \times 1$	
$9 \times \frac{1}{10}$	(tenth parts <i>or</i> tenths)
$4 \times$	



0.	2	7
ones	tenths	hund- redths

We see from the place values that 0.27 is 2 tenths and 7 hundredths, or  $\frac{2}{10}$  and  $\frac{7}{100}$ .

But that is two separate fractions. How can 0.27 be written as a *single* fraction??

(Based on last lesson, you should already know!) Mark 0.27 on the number line, too.

0.	5	1
ones	tenths	hund- redths

0.51 is 5 tenths and 1 hundredth =  $0.5 + 0.01$ .

We can also write that using fractions:

$$0.51 = \frac{5}{10} + \frac{1}{100}$$

$$= \frac{50}{100} + \frac{1}{100} = \frac{51}{100}$$

## Practice

1. Break down each number into ones, tenths and hundredths. Use fractions and decimals. Then read the number.

<p>a. <math>0.78 = 0.7 + 0.08</math></p> $\frac{78}{100} = \frac{7}{10} + \frac{8}{100}$ <p>(seventy-eight hundredths)</p>	<p>b. <math>0.33 =</math></p>	<p>c. <math>0.19 =</math></p>
<p>d. <math>1.25 = 1 + 0.2 + 0.05</math></p>	<p>e. <math>3.97 =</math></p>	<p>f. <math>4.65 =</math></p>

