

Converting Decimal Tenths and Hundredths to Fractions

Converting decimal tenths and hundredths to fractions couldn't be easier - all you need is a place value chart! To convert from a decimal into a fraction, we write the number on the place value chart then **read the number off the place value chart**.

0.7 =	Ones		tenths
	0	.	7

No ones and 7 tenths. So the fraction is... $\frac{7}{10}$!

A. Write these decimals into the place value chart. Read the place value and write the decimal as a fraction. The first question has been completed for you.

Decimal	Place Value Chart			How many tenths?
0.7	Ones		tenths	7 tenths = $\frac{7}{10}$
	0	.	7	
0.3	Ones		tenths	
		.		
zero point two	Ones		tenths	
		.		
0.4	Ones		tenths	
		.		
0.1	Ones		tenths	
		.		
0.9	Ones		tenths	
		.		
zero point eight	Ones		tenths	
		.		

Working with hundredths is similar except we need to include the tenths too. There are 10 hundredths in a tenth.

0		t	hundredths
0	.	7	3

We have 73 hundredths - therefore $\frac{73}{100}$

B. Complete the table.

Decimal	Place Value Chart				How many hundredths?
	Ones	.	tenths	hundredths	
0.73	0	.	7	3	73 hundredths = $\frac{73}{100}$
0.20	0	.			
zero point four six	0	.			
nought point nought 4	0	.			
0.42	0	.			
0.66	0	.			
0.99	0	.			

C. What do you think this decimal is as a fraction?

0	.	0	0	7
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