Math Online School

Converting Decimals into Fractions

Convert the decimals into fractions and simplify them if possible!

Tip: 1. To write the numerator, remove the decimal point and write the digits together. 2. To write the denominator, start with 1 and add as many zeros as there are decimal places.

$0.24 = \frac{24 \div 4}{100 \div 4} = \frac{6}{25}$

2 decimal places — 2 zeros

$0.6 = \frac{6 \div 2}{10 \div 2} = \frac{3}{5}$

Decimals: Place Value Chart

$0.25 =$

$0.44 =$

$0.125 =$

$0.75 =$

$2.8 =$

$3.14 =$

$25.1 =$

$14.02 =$

$1.006 =$

$30.05 =$

$9.9 =$

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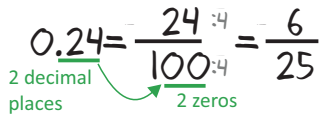

0.6 = $\frac{6}{10} \div 2 = \frac{3}{5}$

0.25 = $\frac{25}{100} \div 25 = \frac{1}{4}$

0.44 = $\frac{44}{100} \div 4 = \frac{11}{25}$

0.125 = $\frac{125}{1000} \div 125 = \frac{1}{8}$

0.75 = $\frac{75}{100} \div 2 = \frac{3}{5}$

2.8 = $\frac{28}{10} = 2\frac{8}{10} \div 2 = 2\frac{4}{5}$

3.14 = $\frac{314}{100} = 3\frac{14}{100} \div 2 = 3\frac{7}{50}$

25.1 = $\frac{251}{10} = 25\frac{1}{10}$

14.02 = $\frac{1402}{100} = 14\frac{2}{100} \div 2 = 14\frac{1}{50}$

1.006 = $\frac{1006}{1000} = 1\frac{6}{1000} \div 2 = 1\frac{3}{500}$

30.05 = $\frac{3005}{100} = 30\frac{5}{100} \div 5 = 30\frac{1}{20}$

9.9 = $\frac{99}{10} = 9\frac{9}{10}$