

Fraction-Decimal Conversion

Practice 4D: Chapter 11, page 42-45

Write each decimal below as a fraction with a denominator that is a power of 10.

$0.362 =$

$0.820 =$

$0.09 =$

$0.8 =$

$0.1043 =$

$0.25 =$

$0.045 =$

$0.217 =$

To the right of each fraction above that is not in simplest form, write an equivalent fraction that is in simplest form.

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Write each fraction below as a decimal.

$$\frac{3}{10} =$$

$$\frac{811}{1,000} =$$

$$\frac{9,527}{10,000} =$$

$$\frac{9}{100} =$$

$$\frac{41}{1,000} =$$

$$\frac{5}{10} =$$

$$\frac{13}{100} =$$

$$\frac{291}{10,000} =$$

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Write each fraction or mixed number below as a decimal.

$$5 \frac{123}{10,000} =$$

$$\frac{1,611}{1,000} =$$

$$\frac{216}{10} =$$

$$\frac{216}{100} =$$

$$\frac{10,003}{1,000} =$$

$$\frac{10,003}{10} =$$

$$\frac{204}{10} =$$

$$\frac{204}{10,000} =$$

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Write each decimal below as a mixed number.

$2.1 =$

$2.31 =$

$160.3 =$

$1.603 =$

$5.11 =$

$51.01 =$

$4.0007 =$

$40.07 =$

$213.43 =$

$43.213 =$

Fraction-Decimal Conversion Key



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$$0.362 = \frac{362}{1,000} = \frac{181}{500}$$

$$0.820 = \frac{820}{1,000} = \frac{41}{50}$$

$$0.09 = \frac{9}{100}$$

$$0.8 = \frac{8}{10} = \frac{4}{5}$$

$$0.1043 = \frac{1,043}{10,000}$$

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

$$0.045 = \frac{45}{1,000} = \frac{9}{200}$$

$$0.217 = \frac{217}{1,000}$$

$$\frac{3}{10} = 0.3$$

$$\frac{811}{1,000} = 0.811$$

$$\frac{9,527}{10,000} = 0.9527$$

$$\frac{9}{100} = 0.09$$

$$\frac{41}{1,000} = 0.041$$

$$\frac{5}{10} = 0.5$$

$$\frac{13}{100} = 0.13$$

$$\frac{291}{10,000} = 0.0291$$

$$5 \frac{123}{10,000} = 5.0123$$

$$\frac{1,611}{1,000} = 1.611$$

$$\frac{216}{10} = 21.6$$

$$\frac{216}{100} = 2.16$$

$$\frac{10,003}{1,000} = 10.003$$

$$\frac{10,003}{10} = 1,000.3$$

$$\frac{204}{10} = 20.4$$

$$\frac{204}{10,000} = 0.0204$$

$$2.1 = 2\frac{1}{10}$$

$$2.31 = 2\frac{31}{100}$$

$$160.3 = 160\frac{3}{10}$$

$$1.603 = 1\frac{603}{1,000}$$

$$5.11 = 5\frac{11}{100}$$

$$51.01 = 51\frac{1}{100}$$

$$4.0007 = 4\frac{7}{10,000}$$

$$40.07 = 40\frac{7}{100}$$

$$213.43 = 213\frac{43}{100}$$

$$43.213 = 43\frac{213}{1,000}$$