

# Converting fractions and decimals



Write these fractions as decimals.

$$\frac{7}{10} = 0.7$$

$$\frac{3}{100} = 0.03$$

Write these fractions as decimals.

$$0.2 = \frac{2}{10} = \frac{1}{5}$$

$$0.47 = \frac{47}{100}$$

Write these fractions as decimals.

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

$$\frac{7}{10} = \square$$

$$\frac{9}{10} = \square$$

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

$$\frac{1}{10} = \square$$

$$\frac{6}{10} = \square$$

$$\frac{1}{2} = \square = \square$$

$$\frac{8}{10} = \square$$

$$\frac{4}{10} = \square$$

Write these decimals as fractions.

$$0.1 = \frac{1}{\square}$$

$$0.2 = \frac{2}{\square} = \frac{1}{\square}$$

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

$$0.4 = \frac{4}{\square} = \frac{2}{\square}$$

$$0.5 = \frac{5}{\square} = \frac{1}{\square}$$

$$0.6 = \frac{6}{\square} = \frac{3}{\square}$$

$$0.7 = \frac{7}{\square}$$

$$0.8 = \frac{8}{\square} = \frac{4}{\square}$$

$$0.9 = \frac{9}{\square}$$

Change these fractions to decimals.

$$\frac{1}{100} = \square$$

$$\frac{3}{100} = \square$$

$$\frac{7}{100} = \square$$

$$\frac{15}{100} = \square$$

$$\frac{25}{100} = \square$$

$$\frac{49}{100} = \square$$

$$\frac{24}{100} = \square$$

$$\frac{56}{100} = \square$$

$$\frac{72}{100} = \square$$

Change these decimals to fractions.

$$0.39 = \square$$

$$0.47 = \square$$

$$0.21 = \square$$

$$0.83 = \square$$

$$0.91 = \square$$

$$0.73 = \square$$

$$0.51 = \square$$

$$0.43 = \square$$

$$0.17 = \square$$

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$$\frac{7}{10} = 0.7$$

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Write these fractions as decimals.

$$0.2 = \frac{2}{10} = \frac{1}{5}$$

$$0.47 = \frac{47}{100}$$

Write these fractions as decimals.

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

$$\frac{7}{10} = 0.7$$

$$\frac{9}{10} = 0.9$$

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

$$\frac{1}{10} = 0.1$$

$$\frac{6}{10} = 0.6$$

$$\frac{1}{2} = \frac{5}{10} = 0.5$$

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

$$\frac{4}{10} = 0.4$$

Write these decimals as fractions.

$$0.1 = \frac{1}{10}$$

$$0.2 = \frac{2}{10} = \frac{1}{5}$$

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

$$0.4 = \frac{4}{10} = \frac{2}{5}$$

$$0.5 = \frac{5}{10} = \frac{1}{2}$$

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

$$0.7 = \frac{7}{10}$$

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

$$0.9 = \frac{9}{10}$$

Change these fractions to decimals.

$$\frac{1}{100} = 0.01$$

$$\frac{3}{100} = 0.03$$

$$\frac{7}{100} = 0.07$$

$$\frac{15}{100} = 0.15$$

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

$$\frac{49}{100} = 0.49$$

$$\frac{24}{100} = 0.24$$

$$\frac{56}{100} = 0.56$$

$$\frac{72}{100} = 0.72$$

Change these decimals to fractions.

$$0.39 = \frac{39}{100}$$

$$0.47 = \frac{47}{100}$$

$$0.21 = \frac{21}{100}$$

$$0.83 = \frac{83}{100}$$

$$0.91 = \frac{91}{100}$$

$$0.73 = \frac{73}{100}$$

$$0.51 = \frac{51}{100}$$

$$0.43 = \frac{43}{100}$$

$$0.17 = \frac{17}{100}$$

A number line showing tenths with their decimal equivalents can help children. If they neglect to include the zeros when converting fractions such as  $\frac{7}{100}$  to 0.07, ask them to convert the decimal back to the fraction to realize their error.