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.

$\frac{3}{10} =$ $\frac{7}{10} =$ $\frac{9}{10} =$

$\frac{2}{10} =$ $\frac{1}{10} =$ $\frac{6}{10} =$

$\frac{1}{2} = \frac{}{} =$ $\frac{8}{10} =$ $\frac{4}{10} =$

Write these decimals as fractions.

$0.1 = \frac{1}{}$ $0.2 = \frac{2}{} = \frac{1}{}$ $0.3 = \frac{3}{}$

$0.4 = \frac{4}{} = \frac{2}{}$ $0.5 = \frac{5}{} = \frac{1}{}$ $0.6 = \frac{6}{} = \frac{3}{}$

$0.7 = \frac{7}{}$ $0.8 = \frac{8}{} = \frac{4}{}$ $0.9 = \frac{9}{}$

Change these fractions to decimals.

$\frac{1}{100} =$ $\frac{3}{100} =$ $\frac{7}{100} =$

$\frac{15}{100} =$ $\frac{25}{100} =$ $\frac{49}{100} =$

$\frac{24}{100} =$ $\frac{56}{100} =$ $\frac{72}{100} =$

Change these decimals to fractions.

$0.39 =$ $0.47 =$ $0.21 =$

$0.83 =$ $0.91 =$ $0.73 =$

$0.51 =$ $0.43 =$ $0.17 =$

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

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

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

Write these fractions as decimals.

$\frac{3}{10}$ = 0.3 $\quad$ $\frac{7}{10}$ = 0.7 $\quad$ $\frac{9}{10}$ = 0.9

$\frac{2}{10}$ = 0.2 $\quad$ $\frac{1}{10}$ = 0.1 $\quad$ $\frac{6}{10}$ = 0.6

$\frac{1}{2}$ = $\frac{5}{10}$ = 0.5 $\quad$ $\frac{8}{10}$ = 0.8 $\quad$ $\frac{4}{10}$ = 0.4

Write these decimals as fractions.

0.1 = $\frac{1}{10}$ $\quad$ 0.2 = $\frac{2}{10}$ = $\frac{1}{5}$ $\quad$ 0.3 = $\frac{3}{10}$

0.4 = $\frac{4}{10}$ = $\frac{2}{5}$ $\quad$ 0.5 = $\frac{5}{10}$ = $\frac{1}{2}$ $\quad$ 0.6 = $\frac{6}{10}$ = $\frac{3}{5}$

0.7 = $\frac{7}{10}$ $\quad$ 0.8 = $\frac{8}{10}$ = $\frac{4}{5}$ $\quad$ 0.9 = $\frac{9}{10}$

Change these fractions to decimals.

$\frac{1}{100}$ = 0.01 $\quad$ $\frac{3}{100}$ = 0.03 $\quad$ $\frac{7}{100}$ = 0.07

$\frac{15}{100}$ = 0.15 $\quad$ $\frac{25}{100}$ = 0.25 $\quad$ $\frac{49}{100}$ = 0.49

$\frac{24}{100}$ = 0.24 $\quad$ $\frac{56}{100}$ = 0.56 $\quad$ $\frac{72}{100}$ = 0.72

Change these decimals to fractions.

0.39 = $\frac{39}{100}$ $\quad$ 0.47 = $\frac{47}{100}$ $\quad$ 0.21 = $\frac{21}{100}$

0.83 = $\frac{83}{100}$ $\quad$ 0.91 = $\frac{91}{100}$ $\quad$ 0.73 = $\frac{73}{100}$

0.51 = $\frac{51}{100}$ $\quad$ 0.43 = $\frac{43}{100}$ $\quad$ 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.