Converting fractions to decimals

Convert these fractions to decimals.

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

(because the three goes in the tenths column)

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

(because the seven goes in the hundredths column)

Convert these fractions to decimals.

$\frac{6}{10}$ = $\frac{9}{100}$ = $\frac{4}{100}$ = $\frac{6}{100}$ =

$\frac{4}{10}$ = $\frac{2}{10}$ = $\frac{1}{10}$ = $\frac{7}{100}$ =

$\frac{8}{100}$ = $\frac{5}{10}$ = $\frac{7}{10}$ = $\frac{8}{10}$ =

$\frac{2}{100}$ = $\frac{5}{100}$ = $\frac{1}{100}$ = $\frac{3}{10}$ =

Convert $\frac{1}{4}$ to a decimal.

To do this we have to divide the bottom number into the top.

When we run out of numbers we put in the decimal point and enough zeros to finish the sum. Be careful to keep the decimal point in your answer above the decimal point in the sum.

$$4\overline{)1.00} = 0.25$$

8
20
20
0

Convert these fractions to decimals.

$\frac{1}{2}$ = $\frac{3}{4}$ = $\frac{2}{5}$ = $\frac{1}{5}$ =

$\frac{4}{5}$ = $\frac{3}{8}$ = $\frac{3}{5}$ = $\frac{1}{4}$ =

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Convert these fractions to decimals.

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

(because the three goes in the tenths column)

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

(because the seven goes in the hundredths column)

Convert these fractions to decimals.

$\frac{6}{10}$ = 0.6	$\frac{9}{100}$ = 0.09	$\frac{4}{100}$ = 0.04	$\frac{6}{100}$ = 0.06
$\frac{4}{10}$ = 0.4	$\frac{2}{10}$ = 0.2	$\frac{1}{10}$ = 0.1	$\frac{7}{100}$ = 0.07
$\frac{8}{100}$ = 0.08	$\frac{5}{10}$ = 0.5	$\frac{7}{10}$ = 0.7	$\frac{8}{10}$ = 0.8
$\frac{2}{100}$ = 0.02	$\frac{5}{100}$ = 0.05	$\frac{1}{100}$ = 0.01	$\frac{3}{10}$ = 0.3

Convert $\frac{1}{4}$ to a decimal.

To do this we have to divide the bottom number into the top.

When we run out of numbers we put in the decimal point and enough zeros to finish the sum. Be careful to keep the decimal point in your answer above the decimal point in the sum.

```
 0.25
4)1.00
  8
  20
  20
   0
```

Convert these fractions to decimals.

$\frac{1}{2}$ = 0.5	$\frac{3}{4}$ = 0.75	$\frac{2}{5}$ = 0.4	$\frac{1}{5}$ = 0.2
$\frac{4}{5}$ = 0.8	$\frac{3}{8}$ = 0.375	$\frac{3}{5}$ = 0.6	$\frac{1}{4}$ = 0.25

Difficulty in the first section highlights weakness in understanding place value to the first two decimal places. It may be necessary to reinforce understanding of 10ths and 100ths in decimals.