

Fractions/Decimals Worksheet

Write the following fractions as decimals.

1 a. $\frac{8}{10} =$	1 b. $\frac{414}{1000} =$
2 a. $\frac{361}{1000} =$	2 b. $\frac{1}{7} =$
3 a. $\frac{227}{1000} =$	3 b. $\frac{15}{50} =$
4 a. $\frac{1}{10} =$	4 b. $\frac{5}{8} =$
5 a. $\frac{1}{5} =$	5 b. $\frac{5}{19} =$
6 a. $\frac{16}{18} =$	6 b. $\frac{939}{1000} =$
7 a. $\frac{11}{20} =$	7 b. $\frac{5}{10} =$
8 a. $\frac{1}{8} =$	8 b. $\frac{5}{6} =$

Name: _____ Date: _____

9 a. $\frac{2}{6} =$

9 b. $\frac{8}{11} =$

10 a. $\frac{5}{11} =$

10 b. $\frac{6}{10} =$

Answer Key

The decimal expansion of the fractions where the denominator is not a power of ten nor one of the 'easy' numbers has been rounded to 8 decimals, so it may or may not show the repeating pattern for non-terminating decimals, and it may or may not show all the decimal digits for terminating decimals.

1 a. $\frac{8}{10} = 0.8$	1 b. $\frac{414}{1000} = 0.414$
2 a. $\frac{361}{1000} = 0.361$	2 b. $\frac{1}{7} = 0.14285714$
3 a. $\frac{227}{1000} = 0.227$	3 b. $\frac{15}{50} = 0.3$
4 a. $\frac{1}{10} = 0.1$	4 b. $\frac{5}{8} = 0.625$
5 a. $\frac{1}{5} = 0.2$	5 b. $\frac{5}{19} = 0.26315789$
6 a. $\frac{16}{18} = 0.88888889$	6 b. $\frac{939}{1000} = 0.939$
7 a. $\frac{11}{20} = 0.55$	7 b. $\frac{5}{10} = 0.5$
8 a. $\frac{1}{8} = 0.125$	8 b. $\frac{5}{6} = 0.83333333$
9 a. $\frac{2}{6} = 0.33333333$	9 b. $\frac{8}{11} = 0.72727273$
10 a. $\frac{5}{11} = 0.45454545$	10 b. $\frac{6}{10} = 0.6$