Fractions/Decimals Worksheet

Write the following decimals as fractions.

1 a. 0.2 =	**1 b.** 0.15 =
2 a. 0.161 =	**2 b.** 0.1 =
3 a. 0.82 =	**3 b.** 0.6 =
4 a. 0.709 =	**4 b.** 0.43 =
5 a. 0.29 =	**5 b.** 0.862 =
6 a. 0.451 =	**6 b.** 0.338 =
7 a. 0.786 =	**7 b.** 0.268 =
8 a. 0.8 =	**8 b.** 0.608 =
9 a. 0.31 =	**9 b.** 0.89 =
10 a. 0.463 =	**10 b.** 0.9 =

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. $0.2 = \dfrac{1}{5}$	**1 b.** $0.15 = \dfrac{3}{20}$
2 a. $0.161 = \dfrac{161}{1000}$	**2 b.** $0.1 = \dfrac{1}{10}$
3 a. $0.82 = \dfrac{41}{50}$	**3 b.** $0.6 = \dfrac{3}{5}$
4 a. $0.709 = \dfrac{709}{1000}$	**4 b.** $0.43 = \dfrac{43}{100}$
5 a. $0.29 = \dfrac{29}{100}$	**5 b.** $0.862 = \dfrac{431}{500}$
6 a. $0.451 = \dfrac{451}{1000}$	**6 b.** $0.338 = \dfrac{169}{500}$
7 a. $0.786 = \dfrac{393}{500}$	**7 b.** $0.268 = \dfrac{67}{250}$
8 a. $0.8 = \dfrac{4}{5}$	**8 b.** $0.608 = \dfrac{76}{125}$
9 a. $0.31 = \dfrac{31}{100}$	**9 b.** $0.89 = \dfrac{89}{100}$
10 a. $0.463 = \dfrac{463}{1000}$	**10 b.** $0.9 = \dfrac{9}{10}$