

Math 310 - Dr. Miller - Homework #9: Writing Decimals as Fractions

Remember that the only types of decimals that can be written as fractions are terminating decimals and repeating decimals. Rewrite each of the following as a fraction; you need not reduce to lowest terms.

1. 5.60823
2. $5.\overline{60823}$
3. $5.608\overline{23}$
4. 4.13
5. $4.\overline{13}$
6. $4.1\overline{3}$
7. 2.035
8. $2.\overline{035}$
9. $2.0\overline{35}$
10. $2.03\overline{5}$

1. $\frac{560823}{100,000}$

2. $\frac{560818}{99999}$

3. $\frac{560263}{99900}$

4. $\frac{413}{100}$

5. $\frac{409}{99}$

6. $\frac{372}{90}$

7. $\frac{2035}{1000}$

8. $\frac{2033}{999}$

9. $\frac{2015}{990}$

10. $\frac{1832}{900}$