



Rewrite each infinitely repeating decimal as a rational number (fraction).

Answers

1) $3.\overline{388}$

2) $2.\overline{75}$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

3) $0.\overline{845}$

4) $0.411\overline{3}$

5) $1.886\overline{51}$

6) $7.374\overline{1}$

7) $9.751\overline{9}$

8) $99.6\overline{1}$

9) $0.41\overline{7}$

10) $0.292\overline{6}$



Rewrite each infinitely repeating decimal as a rational number (fraction).

Answers

1) $3.\overline{388}$
 $f = 3.\overline{388}$
 $1,000f = 3388.\overline{88}$
 $- 10f = 0033.\overline{88}$
 $\hline 990f = 3355$
 $f = \frac{3355}{990}$

2) $2.\overline{75}$
 $f = 2.\overline{75}$
 $100f = 275.\overline{5}$
 $- 10f = 027.\overline{5}$
 $\hline 90f = 248$
 $f = \frac{248}{90}$

3) $0.\overline{845}$
 $f = 0.\overline{845}$
 $1,000f = 845.\overline{45}$
 $- 10f = 008.\overline{45}$
 $\hline 990f = 837$
 $f = \frac{837}{990}$

4) $0.41\overline{13}$
 $f = 0.41\overline{13}$
 $10,000f = 4113.\overline{3}$
 $- 1,000f = 0411.\overline{3}$
 $\hline 9000f = 3702$
 $f = \frac{3702}{9000}$

5) $1.886\overline{51}$
 $f = 1.886\overline{51}$
 $100,000f = 188651.\overline{51}$
 $- 1,000f = 001886.\overline{51}$
 $\hline 99000f = 186765$
 $f = \frac{186765}{99000}$

6) $7.374\overline{1}$
 $f = 7.374\overline{1}$
 $10,000f = 73741.\overline{1}$
 $- 1,000f = 07374.\overline{1}$
 $\hline 9000f = 66367$
 $f = \frac{66367}{9000}$

7) $9.75\overline{19}$
 $f = 9.75\overline{19}$
 $10,000f = 97519.\overline{19}$
 $- 100f = 00975.\overline{19}$
 $\hline 9900f = 96544$
 $f = \frac{96544}{9900}$

8) $99.\overline{61}$
 $f = 99.\overline{61}$
 $100f = 9961.\overline{1}$
 $- 10f = 0996.\overline{1}$
 $\hline 90f = 8965$
 $f = \frac{8965}{90}$

9) $0.41\overline{7}$
 $f = 0.41\overline{7}$
 $1,000f = 417.\overline{7}$
 $- 100f = 041.\overline{7}$
 $\hline 900f = 376$
 $f = \frac{376}{900}$

10) $0.29\overline{26}$
 $f = 0.29\overline{26}$
 $10,000f = 2926.\overline{26}$
 $- 100f = 0029.\overline{26}$
 $\hline 9900f = 2897$
 $f = \frac{2897}{9900}$

1.	$\frac{3,355}{990}$
2.	$\frac{248}{90}$
3.	$\frac{837}{990}$
4.	$\frac{3,702}{9,000}$
5.	$\frac{186,765}{99,000}$
6.	$\frac{66,367}{9,000}$
7.	$\frac{96,544}{9,900}$
8.	$\frac{8,965}{90}$
9.	$\frac{376}{900}$
10.	$\frac{2,897}{9,900}$