



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

Answers

1) $9.298\overline{4}$

2) $3.61\overline{4}$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

3) $1.232\overline{16}$

4) $74.3\overline{35}$

5) $0.19\overline{6}$

6) $0.894\overline{30}$

7) $0.24\overline{55}$

8) $43.9\overline{1}$

9) $0.110\overline{6}$

10) $3.3\overline{10}$



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

Answers

1) $9.298\overline{4}$

$$f = 9.298\overline{4}$$

$$10,000f = 92984.\overline{4}$$

$$- 1,000f = 09298.\overline{4}$$

$$9000f = 83686$$

$$f = \frac{83686}{9000}$$

2) $3.61\overline{4}$

$$f = 3.61\overline{4}$$

$$1,000f = 3614.\overline{4}$$

$$- 100f = 0361.\overline{4}$$

$$900f = 3253$$

$$f = \frac{3253}{900}$$

3) $1.2321\overline{6}$

$$f = 1.2321\overline{6}$$

$$100,000f = 123216.\overline{16}$$

$$- 1,000f = 001232.\overline{16}$$

$$99000f = 121984$$

$$f = \frac{121984}{99000}$$

4) $74.3\overline{35}$

$$f = 74.3\overline{35}$$

$$1,000f = 74335.\overline{35}$$

$$- 10f = 00743.\overline{35}$$

$$990f = 73592$$

$$f = \frac{73592}{990}$$

5) $0.19\overline{6}$

$$f = 0.19\overline{6}$$

$$1,000f = 196.\overline{96}$$

$$- 10f = 001.9\overline{6}$$

$$990f = 195$$

$$f = \frac{195}{990}$$

6) $0.8943\overline{0}$

$$f = 0.8943\overline{0}$$

$$100,000f = 89430.\overline{30}$$

$$- 1,000f = 00894.\overline{30}$$

$$99000f = 88536$$

$$f = \frac{88536}{99000}$$

7) $0.245\overline{5}$

$$f = 0.245\overline{5}$$

$$10,000f = 2455.\overline{55}$$

$$- 100f = 0024.\overline{55}$$

$$9900f = 2431$$

$$f = \frac{2431}{9900}$$

8) $43.9\overline{1}$

$$f = 43.9\overline{1}$$

$$100f = 4391.\overline{1}$$

$$- 10f = 0439.\overline{1}$$

$$90f = 3952$$

$$f = \frac{3952}{90}$$

9) $0.110\overline{6}$

$$f = 0.110\overline{6}$$

$$10,000f = 1106.\overline{6}$$

$$- 1,000f = 0110.\overline{6}$$

$$9000f = 996$$

$$f = \frac{996}{9000}$$

10) $3.31\overline{0}$

$$f = 3.31\overline{0}$$

$$1,000f = 3310.\overline{10}$$

$$- 10f = 0033.\overline{10}$$

$$990f = 3277$$

$$f = \frac{3277}{990}$$

1.	$\frac{83686}{9000}$
2.	$\frac{3253}{900}$
3.	$\frac{121984}{99000}$
4.	$\frac{73592}{990}$
5.	$\frac{195}{990}$
6.	$\frac{88536}{99000}$
7.	$\frac{2431}{9900}$
8.	$\frac{3952}{90}$
9.	$\frac{996}{9000}$
10.	$\frac{3277}{990}$