



Riscrivi ogni numero decimale ripetuto all'infinito come un numero razionale (frazione).

1) $0,366\bar{5}$

2) $0,131\bar{23}$

3) $84,8\bar{54}$

4) $4,14\bar{48}$

5) $0,8\bar{77}$

6) $0,94\bar{98}$

7) $9,7\bar{15}$

8) $9,47\bar{2}$

9) $0,75\bar{2}$

10) $5,918\bar{5}$

Risposte

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Riscrivi ogni numero decimale ripetuto all'infinito come un numero razionale (frazione).

Risposte

1) $0,36\overline{65}$

$$\begin{aligned} f &= 0,36\overline{65} \\ 10.000f &= 3665.\overline{5} \\ - 1.000f &= 0366.\overline{5} \\ \hline 9000f &= 3299 \\ f &= \frac{3299}{9000} \end{aligned}$$

2) $0,131\overline{23}$

$$\begin{aligned} f &= 0,131\overline{23} \\ 100.000f &= 13123.\overline{23} \\ - 1.000f &= 00131.\overline{23} \\ \hline 99000f &= 12992 \\ f &= \frac{12992}{99000} \end{aligned}$$

3) $84,85\overline{4}$

$$\begin{aligned} f &= 84,85\overline{4} \\ 1.000f &= 84854.\overline{54} \\ - 10f &= 00848.\overline{54} \\ \hline 990f &= 84006 \\ f &= \frac{84006}{990} \end{aligned}$$

4) $4,14\overline{48}$

$$\begin{aligned} f &= 4,14\overline{48} \\ 10.000f &= 41448.\overline{48} \\ - 100f &= 00414.\overline{48} \\ \hline 9900f &= 41034 \\ f &= \frac{41034}{9900} \end{aligned}$$

5) $0,8\overline{77}$

$$\begin{aligned} f &= 0,8\overline{77} \\ 1.000f &= 877.\overline{77} \\ - 10f &= 008.\overline{77} \\ \hline 990f &= 869 \\ f &= \frac{869}{990} \end{aligned}$$

6) $0,94\overline{98}$

$$\begin{aligned} f &= 0,94\overline{98} \\ 10.000f &= 9498.\overline{98} \\ - 100f &= 0094.\overline{98} \\ \hline 9900f &= 9404 \\ f &= \frac{9404}{9900} \end{aligned}$$

7) $9,71\overline{5}$

$$\begin{aligned} f &= 9,71\overline{5} \\ 1.000f &= 9715.\overline{15} \\ - 10f &= 0097.\overline{15} \\ \hline 990f &= 9618 \\ f &= \frac{9618}{990} \end{aligned}$$

8) $9,47\overline{2}$

$$\begin{aligned} f &= 9,47\overline{2} \\ 1.000f &= 9472.\overline{2} \\ - 100f &= 0947.\overline{2} \\ \hline 900f &= 8525 \\ f &= \frac{8525}{900} \end{aligned}$$

9) $0,75\overline{2}$

$$\begin{aligned} f &= 0,75\overline{2} \\ 1.000f &= 752.\overline{2} \\ - 100f &= 075.\overline{2} \\ \hline 900f &= 677 \\ f &= \frac{677}{900} \end{aligned}$$

10) $5,918\overline{5}$

$$\begin{aligned} f &= 5,918\overline{5} \\ 10.000f &= 59185.\overline{5} \\ - 1.000f &= 05918.\overline{5} \\ \hline 9000f &= 53267 \\ f &= \frac{53267}{9000} \end{aligned}$$

1.	$\frac{3.299}{9.000}$
2.	$\frac{12.992}{99.000}$
3.	$\frac{84.006}{990}$
4.	$\frac{41.034}{9.900}$
5.	$\frac{869}{990}$
6.	$\frac{9.404}{9.900}$
7.	$\frac{9.618}{990}$
8.	$\frac{8.525}{900}$
9.	$\frac{677}{900}$
10.	$\frac{53.267}{9.000}$