

January 18, 2017

N ~~V~~ ~~Z~~ ~~Q~~ ~~Q~~ R

- 1023
 - $\frac{13}{9}$
 45 ✓
 π
 0.0001

✓ ✓ ✓ ✓ ✓
 ✓ ✓ ✓ ✓ ✓
 ✓ ✓ ✓ ✓ ✓

Jan 18-9:14 AM

$142 = 2 \cdot 71$

$\frac{2}{100} \cdot \frac{71}{100}$

$0.02 \cdot 0.71 = \frac{62}{100} = \frac{31}{50}$

Jan 18-9:17 AM

$0.0001 \rightarrow \frac{1}{10,000}$

$0.274 = \frac{274}{1000} = \frac{137}{500}$

Jan 18-9:25 AM

$0.\overline{24} \approx 0.2424242424\dots$

Steps

① let $x = 0.\overline{242424\dots}$

② $100x = 24.\overline{2424\dots}$

③ $100x = 24.2424\dots$
 $- 10x = 00.2424\dots$

 $99x = 24$

④ $\frac{99x}{99} = \frac{24}{99}$
 $x = \frac{24}{99} = \frac{8}{33}$

Jan 18-9:29 AM

$\frac{8}{33} = 33 \overline{) 8.00}$

$\begin{array}{r} .24 \\ 33 \overline{) 8.00} \\ \underline{-66} \\ 140 \\ \underline{-132} \\ 8 \end{array}$

Jan 18-9:38 AM

$0.\overline{882}$

$x = 0.\overline{882882\dots}$

$1000x = 882.\overline{882882\dots}$

$x = 882882\dots$

$999x = 882$

$\frac{999x}{999} = \frac{882}{999}$

$x = \frac{882}{999} = \frac{98}{111}$

Jan 18-9:40 AM