

August 30, 2017

	\mathbb{N}	\mathbb{W}	\mathbb{Z}	\mathbb{Q}	\mathbb{Q}'	\mathbb{R}
$\sqrt{25}$	✓	✓	✓	✓	✓	✓
-0.0001	/	/	/	✓	/	✓
$\frac{8}{31}$	/	/	/	✓	/	✓
-2	/	/	✓	✓	/	✓

Aug 30-9:51 AM

$-0.\overline{27}$

Let $x = -0.\overline{27}$

$$100x = -27.\overline{27}$$

$$\begin{array}{r} 100x = -27.\overline{27} \\ -x = -0.\overline{27} \\ \hline 99x = -27 \end{array}$$

$$\frac{99x}{99} = \frac{-27}{99}$$

$$x = -\frac{27}{99} = -\frac{3}{11}$$

Aug 30-10:27 AM

$n, m, k \in \mathbb{N}$

$n = mk$

$15 = 5 \cdot 3$

$5 = 5 \cdot 1$ ← $\frac{5}{1} = 5 ✓$

$p = p \cdot 1$ ← $\frac{p}{p} = 1 ✓$

Aug 30-10:30 AM

\mathbb{R}

$\frac{5}{1}$ \mathbb{Q} \mathbb{Q}'

\mathbb{Z}

\mathbb{W}

5 \mathbb{N}

Aug 30-10:33 AM

$\mathbb{Q} = \left\{ \frac{m}{n} \mid m, n \in \mathbb{Z} \neq n \neq 0 \right\}$

$$7.648 = 7 \frac{648}{1000} = 7 \frac{162}{250}$$

$$= 7 \frac{81}{125}$$

$$\frac{7 \cdot 125 + 81}{125}$$

Aug 30-10:38 AM

CORE 1.1

Aug 30-10:42 AM