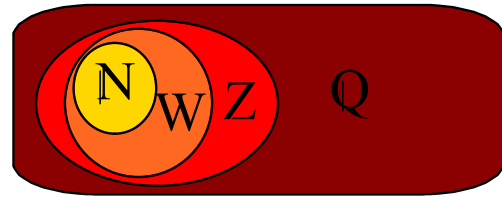


- I know what the decimal form of a rational number look likes.
- I can convert a rational number to a decimal.

Click on the stars in order to reveal how set of numbers relate to each other in a Venn Diagram.



0 on forever.

$0.5 = \frac{5}{10}$

$6.3247 = \frac{63247}{10000}$

$1235489.15678793251 = \frac{123548915678793251}{100000000000}$

$$\frac{3}{8} \quad \longrightarrow \quad \begin{array}{r} 0.375 \\ 8 \overline{) 3.000} \\ \underline{-24} \phantom{00} \\ 60 \phantom{0} \\ \underline{-56} \phantom{0} \\ 40 \phantom{0} \\ \underline{-40} \phantom{0} \\ 0 \end{array} \quad \longrightarrow \quad \frac{3}{8} = 0.375$$

16.855555...	$0.\overline{13}$	$19.\overline{1724}$
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$$\frac{4}{33} \quad \longrightarrow \quad \begin{array}{r} 0.1212... \\ 33 \overline{) 4.00000} \\ \underline{-33} \phantom{00} \\ 70 \phantom{00} \\ \underline{-66} \phantom{00} \\ 40 \phantom{00} \\ \underline{-33} \phantom{00} \\ 70 \phantom{00} \\ \underline{-66} \phantom{00} \\ 4 \phantom{00} \end{array} \quad \longrightarrow \quad \frac{4}{33} = 0.\overline{12}$$

$0.3 \begin{cases} < \\ > \end{cases} \frac{1}{3}$        $\frac{1}{4} \begin{cases} < \\ > \end{cases} \frac{1}{5}$        $\frac{5}{8} \begin{cases} < \\ > \end{cases} 0.65$   
 $0.3 \quad 0.3333\dots$        $0.25 \quad 0.20$        $0.625 \quad 0.650$

$0.875, 0.8, 0.7777 \dots$

2.1 pg 54 #3-10, 11-19, 36-42, 48-52

Today we're working by...

