

Summer Test Revision

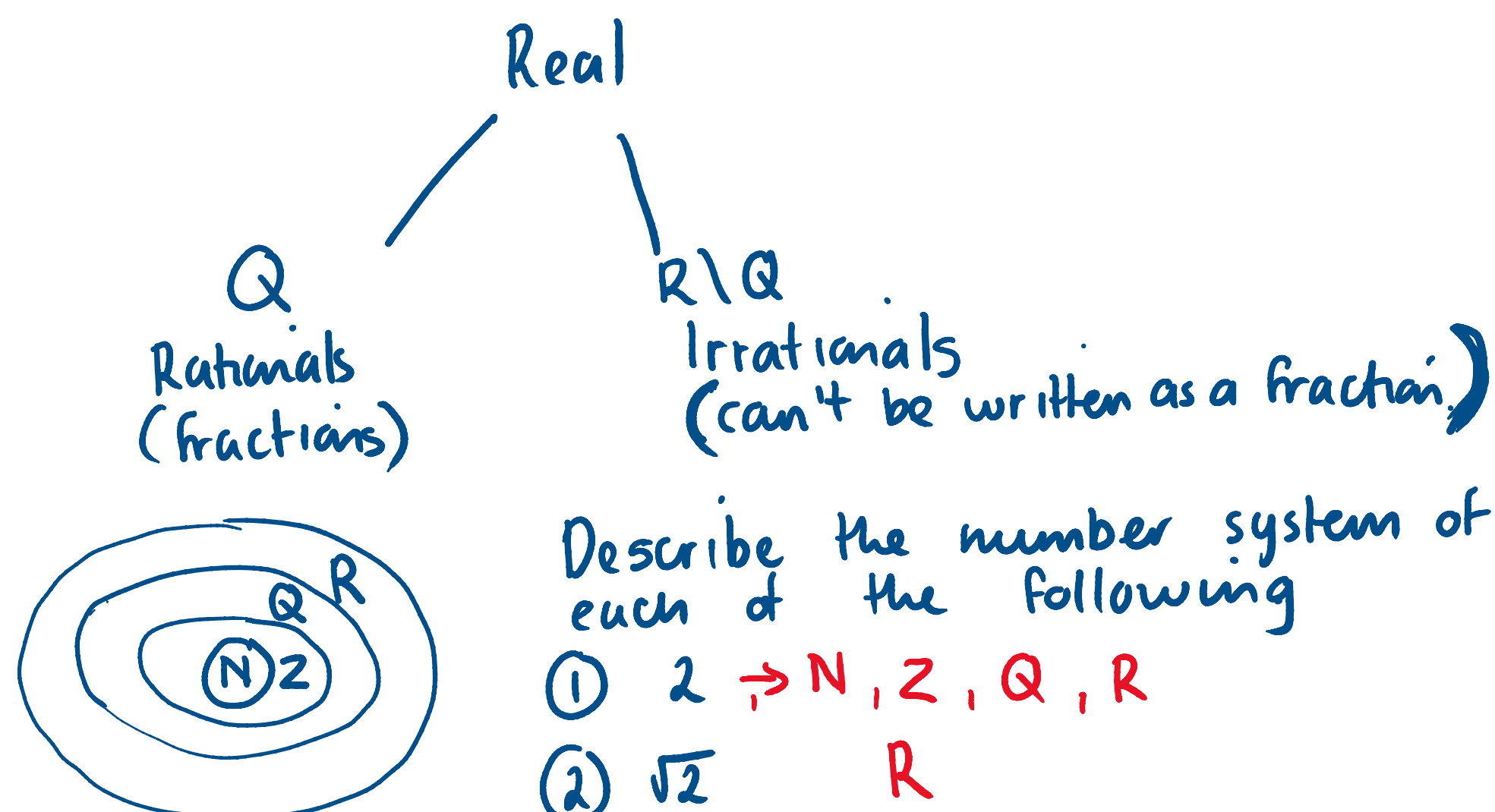
20 May 2019 15:39

① Number System.

$N \rightarrow$ Natural $\{1, 2, 3, 4, 5, \dots\}$ positive whole numbers

$Z \rightarrow$ Integers $\{-3, -2, -1, 0, 1, 2\}$

$R \rightarrow$ Real All numbers - decimal, surds.



① 2 $\rightarrow N, Z, Q, R$

② $\sqrt{2}$ R

③ π R

④ -9 Z, Q, R

② Indices

① Multiplication - add powers

② Division - subtract bottom power from top power

③ A power to a power - multiply powers

④ Power of 0 = 1

⑤ Negative powers = make reciprocal

HIW ① $\frac{3^4 \times 3^2}{3^5}$

② Express in the form 2^n

① 8

② $\frac{\sqrt{8}}{2}$