

Complex numbers

chapter

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Section 3.1 Irrational numbers

PROJECT MATHS
Text & Tests 6

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Number Systems

(\mathbb{N}) Natural Nos - whole positive	1, 2, 3, 4, ...
(\mathbb{Z}) Integers - whole nos	... -3, -2, -1, 0, 1, 2, 3 ...
(\mathbb{Q}) Rational Nos - can be written as a fraction $\frac{a}{b}$ where a and $b \in \mathbb{Z}$	eg. $\frac{1}{2}$, $-\frac{10}{3}$, $0.3\bar{3}$
(\mathbb{R}) Real nos - any no. on number line includes Irrational nos ($\mathbb{R} \setminus \mathbb{Q}$) include surds	
(\mathbb{Im}) Imaginary Nos - square root of a negative no.	eg. $\sqrt{-2}$, $\sqrt{-4}$
(\mathbb{C}) Complex No. - every no.	eg. 2 , $\sqrt{-6}$, $3 + \sqrt{-4}$