

# Irrational numbers

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Numbers like  $\sqrt{2}$  belongs to irrational numbers. They can't be expressed as  $\mathbb{Q}$  so there's only irrational numbers left in the reel numbers, so they fit into that set. <sup>1</sup> Well, okay.  $\sqrt{2}$  is irrational, we get it.  $2\sqrt{2}$  will be irrational too? Or  $x \in \mathbb{I} \implies x = ?$

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<sup>1</sup>Proof of  $\sqrt{2}$