

Outline

The Shock of the Irrational

Starter: numerals from around the world and through the ages

Old Babylonian

Simplified Mandarin

Hindu-Arabic evolution

Numbers and Numerals

Number Uses and Kinds Prime numbers are just amazing!

Pythagoras: Theorem and Myth

Proof of Pythagoras (visual)

'All is Number', and a shocking discovery

Proof $\sqrt{2}$ is not rational

Calculating $\sqrt{2}$

Number line: a point for every number and a number for every point?

The shocking truth ... behind the irrationals ... how is it possible?