

What are Irrational Numbers and Why do we need them?

Table of Contents

- Irrational Numbers
- History of Irrational Numbers
- Summary
- Did You Know?
- What's Next?

In the previous segment, we saw the [Fundamental Theorem of Arithmetic](#). In this segment let us get introduced to Irrational Numbers.

What are Irrational numbers?

An Irrational number is a real number that cannot be written as a simple fraction.

What is the History of irrational numbers?

The Pythagoreans always believed that all numbers can be expressed in the form $\frac{p}{q}$.

Apparently, amongst the many Pythagoreans, there was one named Hippasus who said that not all numbers can be expressed in the form $\frac{p}{q}$ and it was termed as irrational numbers.

Summary

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|---------------------------|---|
| Irrational Numbers | An Irrational Number is a real number that cannot be written as a simple fraction |
|---------------------------|---|

Did you know?

π (Pi) is a famous irrational number. You cannot write down a simple fraction that equals Pi.
 The value of $\pi = 3.14159265358979323846264338327950288419716939937510...$

What's next?

In the next segment of Class 10 Maths, we will see If a prime number 'p' divides a square number 'a²', then will it even divide 'a'