

## Infinity and Far Beyond

What is infinity? Give examples to infinite things?

Can you make operations with infinity?

How many natural numbers are there?

How many evens?

How many rational numbers are there between 0 and 1?

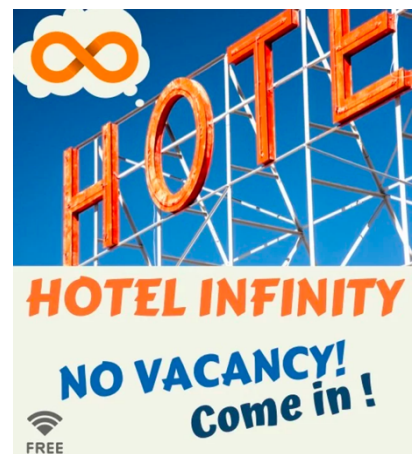
What about between 0 and 2?

So is one infinity bigger than another?

Search about famous mathematician Cantor and his approach on the cardinality of the number sets.

What is the history of infinity? Invented or Discovered? Who has found its symbol?

Search about Hilbert's famous infinity hotel problem?  
Ask it to your friends.  
Explain the operations with the infinity.



Suggested reading:

- Beyond Infinity by Eugenia Cheng
- Math and Infinity by Ali Nesin