



**Resource 3**

Are numbers real?

Please click on the link below and watch the stimulus material (first 6 minutes) and then come up with your own question which must be submitted to the organisers before the event.

Math is invisible. Unlike physics, chemistry, and biology we can't see it, smell it, or even directly observe it in the universe. And so that has made a lot of really smart people ask, does it actually even EXIST?!?! Similar to the tree falling in the forest, there are people who believe that if no person existed to count, math wouldn't be around ....at ALL!!!! But is this true? Do we live in a mathless universe? Or if math is a real entity that exists, are there formulas and mathematical concepts out there in the universe that are undiscovered? Or is it all fiction? Whew!! So many questions, so many theories... watch the episode and let us know what you think!

Please watch the first 6 minutes and then come up with your open question.

<https://www.youtube.com/watch?v=TbNymweHW4E>