Catalan’s Conjecture

https://www.youtube.com/watch?v=Us-__MukH9I

An investigation of Catalan’s Conjecture.

$2^3$ and $3^2$ are two powers of natural numbers whose values (8 and 9, respectively) are consecutive ($3^2 = 2^3 + 1$). The theorem states that this is the only case of two consecutive powers. [Wikipedia]

Topics:
  - Number, Index Notation, Patterns and Algebra, Index Notation

Type:
  - Activity, Problem, Interesting, Publisher, Numberphile, Holly Krieger, Video, YouTube

Links

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