

How to get Value of 11 Powers after 11^4

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Motivation:

From my childhood I was very anxious about Mathematics.one day I got a book and read an article about "Pascal Triangle", all of a sudden a question raised in my mind how this triangle came into existence and in few days I the result that qot is 1,11,121,1331,1 4 6 4 1,1 5 10 10 5 1,....are the coefficient x,a+x,a²+2 a x+x², a³ +3 a x² +3 a² x +x³,....and if we work on Pascal Triangle we get amazing results like 11,121,1331,14641 all are power of respectively 11,11^2,11^3,11^4

but if we investigate deeply what about 11^5 here basically found out what is the method used to get it.

Methodology & & Important Findings:

As per Pascal Triangle and result of 11⁴ both same but if we move on 11⁵(actually value of 11⁵ is 161051 but as per Pascal Triangle it is 15101051.

The Method which I find is mentioned Below.



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How to get value of 11⁵ after 11⁴ from Pascal Triangle

Pascal Triangle is really a great work by Pascal & open many options for scholars in mathematics. Pascal's triangle is a triangular array of the binomial coefficients. It is based on x, (a + x), $(a + x)^2$, $(a + x)^3$ & soon.

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Put coefficient of x, (a + x), (a² + 2ax +x²), (a³ + 3a²x + 3ax² + x³) as (1), (1,1), (1,2,1), (1,3,3,1) & soon...

Onwards from here, many scholars worked out to put their own theories, so here is my work on Pascal Triangle.



If we sum up the rows, we get a GP series i.e. 1, 2, 4, 8, 16, 32, 64,.....



Now, it's a very interesting for all of us to get 11⁵ after 11⁴ as 11⁴=14641 but for 11⁵, the value becomes 161051 which is absent in Pascal triangle practically. So, I get a solution.