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Robert G. Wilson

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Subject: Generalized Armstrong Nbrs.

Dear Sir,

In the New Testament, the net that Simon Peter drew from the sea of Tiberias held a 153 great fish. John XXI, 11.

This nbr. has the characteristic of  $153 = 1^3 + 5^3 + 3^3$ . Generalized Armstrong numbers are numbers which equal the sum of its digits individually raised to the power which equals the number of digits in that number. The first nine integers are trivial solutions but thereafter, they are not. Thus the series would begin as follows:

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1, 2, 3, 4, 5, 6, 7, 8, 9, 153, 370, 371, 407, 1634,  
8208, 9474, 54748, 92727, 93084, 548834, 1741725,  
..., ?, ..., 24678050, ... . The ? mark indicates

that the range from 1741725 to ~~2467805~~ 10000000 has not been investigated for any such numbers. There may or may not exist any such numbers.

Sequentially yours,

Robert G. Wilson