Could we find number Pi and Golden ratio within the list of natural number ?

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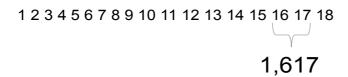
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1.- <u>Abstract</u>

In this short paper I show that we can find the first digits of number Pi and Golden Ratio within the list of natural numbers.

2.- <u>How to find the first digits of Pi :</u>

Here is the list of natural numbers :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

3,1415

So we can the the first 5 digits of Pi between the natural numbers 13 and 15.

3.- <u>How to find the first digits of Golden Number :</u>

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

1,617

So we can find the digits of an approximation of Gold Ratio : 1,617. We know that the value of Golden Number is 1,618033... And those digits appear just after the digits of number Pi.