

Activity 8 - Discovering Nepero's number

Let's use the expression at the top in the second column of the table, replace the n values of the first column, complete the second column with the missing numbers.

n	$\left(1 + \frac{1}{n}\right)^n$
1	2
3	
7	
9	
10	2,5937424
100	
1000	2,7169239322
100.000	
1.000.000	

What can you observe in the second column?

Good Job!!! you have found a very famous number: Nepero's number

	roll 1	roll 2	roll 3	roll 4	roll 5	roll 6	roll 7	number of rolls made
1 test								
2 test								
3 test								
4 test								
5 test								
6 test								
7 test								
8 test								
9 test								
10 test								

average first table	
average second table	

What can you observe in the results of the two average tables

Good job!!!