Can you tell me about the difference of constant and parameter

Answer:

Parameter is a quantity in mathematical formula which doesn't change its value for one particular problem, but when you switch the task the value also can change.

Constant is a quantity which is always the same. It doesn't change at all. For example, we can take the line equation y = a*x + b. We don't know the values of "a" and "b". So we can choose them from the best describing of experimental points by fitting with our line. For other experimental points the value of these quantities can change a little. So "a" and "b" are parameters. In the other words, parameter is something that can be found from experiment. On the other hand, let's look at the number Pi. We know it with high accuracy. It is always 3,1415926535.... So it's constant now. But when Archimedes tried to determine it, number Pi was a parameter.