1.How many total combinations are possible? Show the math along with the code!

A. The logic is based on the fact that each face of Die A can be combined with each face of Die B, resulting in all possible combinations. Since there are 6 faces on each die, and each face can be paired with any of the other 6 faces on the other die, the total combinations are the product of the number of faces on each die.

In mathemetical terms:

Total Combinations = No of faces on die A \* No of faces on die B Substituting,

Total Combinations=6×6=36

Code:

tc = 6 \* 6

print("Total Combinations:", tc)