Question:

3 normal dice are rolled. Find the number of possible outcomes for at least one dice showing the number 6.

Answer:

Number of outcomes for:

At least 1 dice showing number 6 = All outcomes – No dice showing number 6

At least 1 dice showing number 6 = (6)*(6)*(6) – (5)*(5)*(5)

At least 1 dice showing number 6 = 91.