

Question 24195 A die is rolled and a coin is tossed, find the probability that the die shows an odd number and the coin shows head?

Answer. Due to rolling dice and tossing coin are independent, then the probability in question equals product of probabilities of getting odd number($3/6$, here we are satisfied by getting 1,3,5 out of 1,2,3,4,5,6) and head($1/2$), that is $\frac{1}{2} \times \frac{3}{6} = 0.25$.