

Section 2.3: cont'd

Monday, January 22, 2018 8:31 AM

back to BC Lotto 6/49:

What are the odds of choosing a winning ticket?
(choosing all six winning numbers)

total number of tickets: ${}_{49}C_6 = 13\,983\,816$

number of winning tickets: 1 $({}_6C_6 {}_{43}C_0)$

$$P(\text{jackpot}) = \frac{1}{{}_{49}C_6} = \frac{1}{13\,983\,816}$$