

QUIZ 7 FOR M325K

Name: _____
UT EID: _____

You may use a calculator otherwise you may give the solutions using factorials.

(1) How many different 2 pair hands are possible from a standard 52 card deck ?

(2) How many different 3 of a kind hands are possible from a standard 52 card deck ?

(3) $210 = 2 \times 3 \times 5 \times 7$. How many ways can 210 be written as the product of 2 positive integers (the order of the terms does not matter) ?