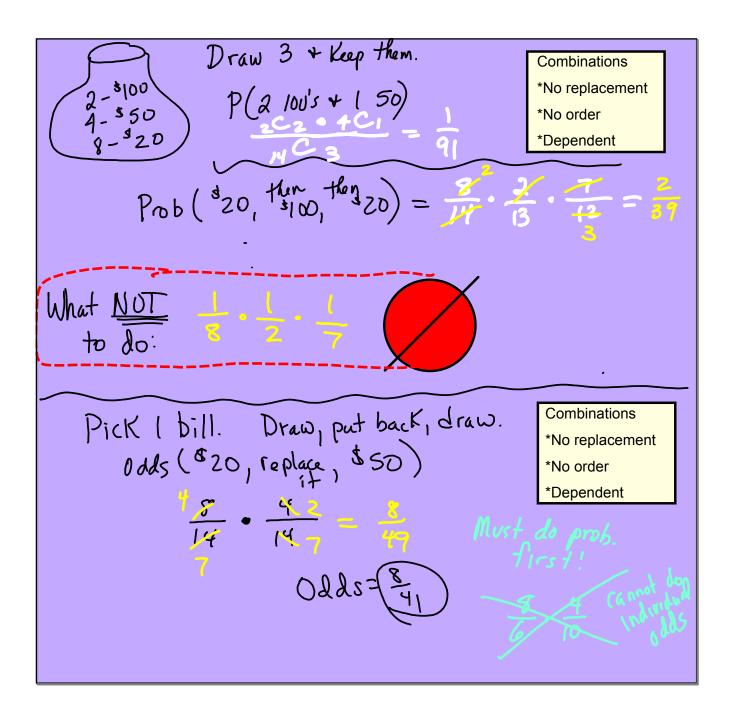
MORE PROBABILITY

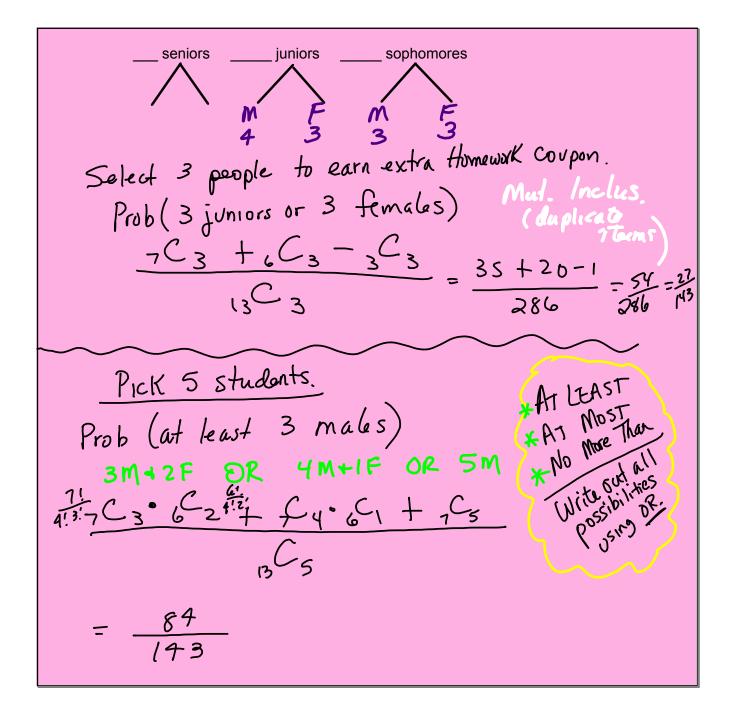
Combinations Individual Probabilities All must be true If Any are true: 1) No Replacement 1) Replacement 2) No Order 2) Order 3) Independent Events-3) Dependent Eventsthe 2nd overt 15 the and event depends not influenced by on the outcome of the the outcome of the 1st event 1st events flipping coins, rolling dia



Mutually Inclusive/Exclusive Events
Deck of cards - Draw | card
Prob (ace or black card)

$$\frac{4}{52} + \frac{26}{92} - \frac{2}{52} = \frac{28}{52} = \frac{7}{13}$$

Only
Mutually Inclusive Events - Share common
items
problems Mutually Exclusive Events - Share No common items.
Draw 2 cards. Prob (faced or 2 red) Common
items?
 $12C_2 + 2C_2 - 6C_2 = 185$
 $52C_2 = 20.284$
0 dds = $\frac{188}{613-188} = \frac{185}{75}$



March 24, 2023

