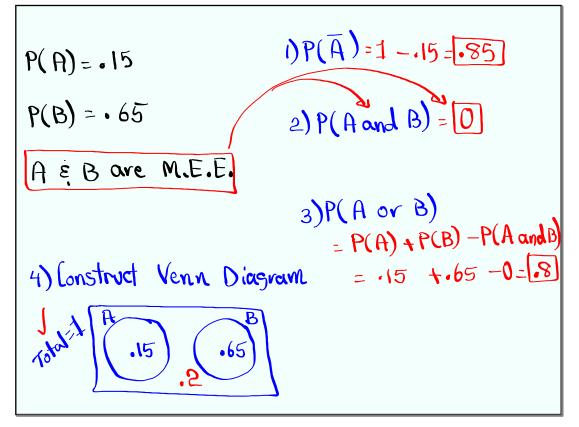


Feb 19-8:47 AM

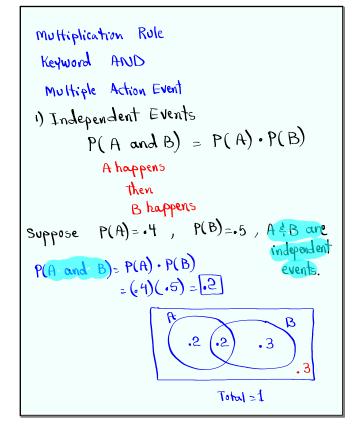
Г



Oct 2-8:58 AM

Suppose odds in favor of event E are 3:22 1) odds against Event E. ໌<u>22</u> : 3 3) $P(\bar{E}) = \frac{22}{3+22} = \frac{22}{25}$ 2) $P(E) = \frac{3}{3+22} = \frac{3}{25}$ Suppose P(E)=.125 1) write P(E) in reduced fraction .125 MATH LINS Enter 141 a) Find $P(\overline{E})$ in decimal =1-.125= .875 3) Sind adds in Savor of event E. P(E): P(E) .125 ; .875 .125 1. 875 Math 1: Frac Enter + 4) Sind odds against event E. 781

Oct 2-9:03 AM



Oct 2-9:13 AM

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A box has 20 balls, 3 Red, 7 white, and
10 blue color balls.
Take 2 balls with replacement.
RR RW RB
WR WW WB
BR BW BB
P(TWO Reds) = P(R) · P(R) =
$$\frac{3}{20} \cdot \frac{3}{20} = \frac{9}{400}$$

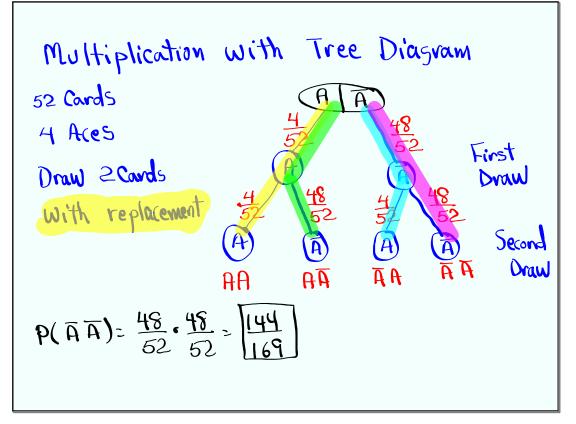
P(TWO Blue) = P(B) · P(B) = $\frac{10}{20} \cdot \frac{10}{20} = \frac{1}{41}$
P(TWO White) = P(W) · P(W) = $\frac{7}{20} \cdot \frac{7}{20} = \frac{49}{400}$
P(both balls are Same Color) = $\frac{9}{400} + \frac{100}{400} + \frac{49}{400} = \frac{158}{400}$

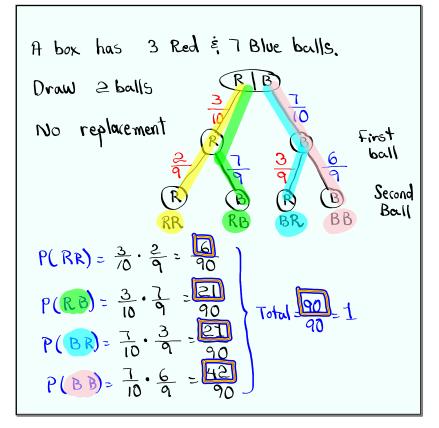
A Sull-deck of playing Cards has 52
Cards, 4 Aces.
Draw 2 Cards with replacement

$$A \rightarrow Ace$$

 $\overline{A} \rightarrow Ace$
 $\overline{A} \rightarrow Ace$
 $\overline{A} \rightarrow Ace$
 $\overline{A} \rightarrow Ace$
 $\overline{P}(Neither One is Ace) = P(\overline{A}) \cdot P(\overline{A})$
 $= \frac{48}{52} \cdot \frac{48}{52} = \frac{12}{13} \cdot \frac{12}{13} + \frac{144}{169}$
 $P(\text{at least One Ace}) = 1 - P(No Aces)$
 $= 1 - \frac{144}{169} = \frac{25}{169}$

Oct 2-9:28 AM





Oct 2-9:41 AM

