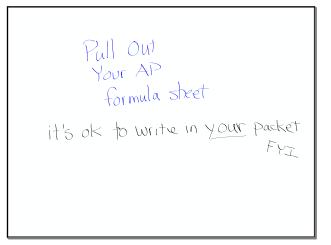
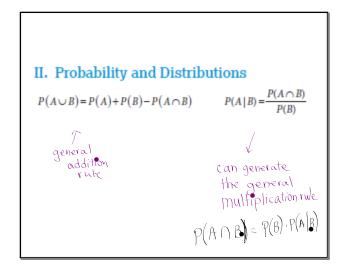
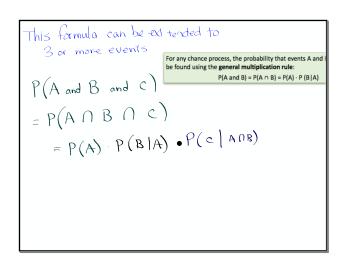
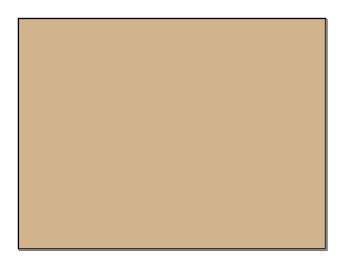


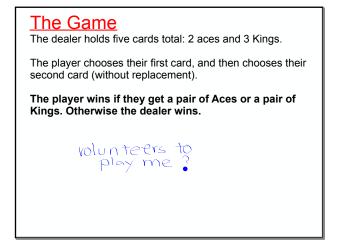
	ny chance process, the probability that und using the general multiplication r P(A and B) = P(A \cap B) = $\frac{c}{r}$	ule:	
Example Hot cof	ee A		B
Saturday. They fou	at a local coffee shop recorded the ad that 64% of customers ordered a		
added cream to the	ir drink, v that a randomly selected Saturday	customer orders a hot drink	and adds groam
to the drink. P(hot drink 0	<u></u>		
P(Aa	B) = P(A)	•P(₿∦A)	
X	= P(hot dimk).	P(adds hot (ream drink)	= (.64)(30) = .512



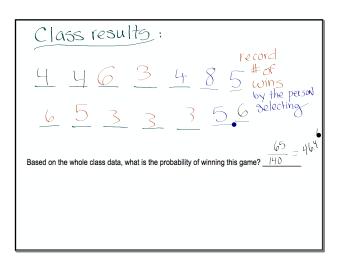


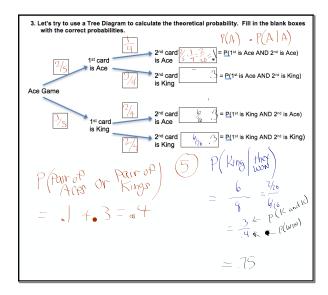


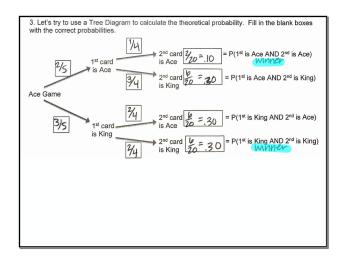


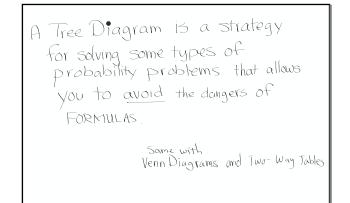


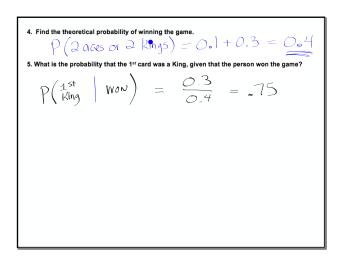
ules of the game. Five cards total: two aces and three Kings. The player chooses their st card and records the results, and then chooses their second card (without replacement of records the result. The player wins if they get a pair of Aces or a pair of Kings.										
d records th	e result.	The p	layer wi	ns if the	ey get a	pair of a	Aces or	a pair c	of Kings	
. Choose one	person w	ho is the	dealer a	nd one wi	10 is the r	olaver. Pl	av the ga	me 10 tim	es.	
	r01		iei u			,	,e gu			
irst card										
Second card										
Winner?										
Based	on your 1	0 games,	what is th	ne probab	ility of wir	nning this	game?			

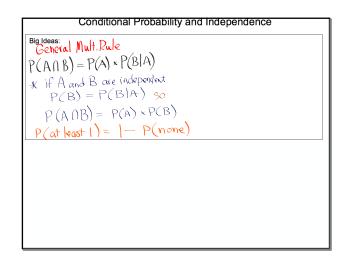


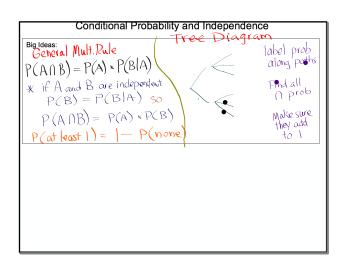


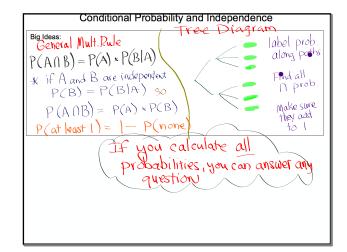












It can be a struggle at times to choose the correct strategy

HINT

Most conditional probability questions Can be solved using a tree diagram or a Two-way table. CYU: A computer company makes desktop, laptop, and tablet computers at factories in two states: California and Texas. The California factory produces 40% of the company's computers and the Texas factory makes the rest. Of the computers made in California, 75% are desktops, 90% are laptops, and the rest are tablets. Of those made in Texas, 10% are desktops, 20% are laptops, and the rest are tablets. All computers are first shipped to a distribution center in Missouri before being sent out to stores. Suppose we select a computer at random from the distribution center and observe where it was made and whether it is a desktop, laptop, or tablet.

1. Construct a tree diagram to model this chance process.

