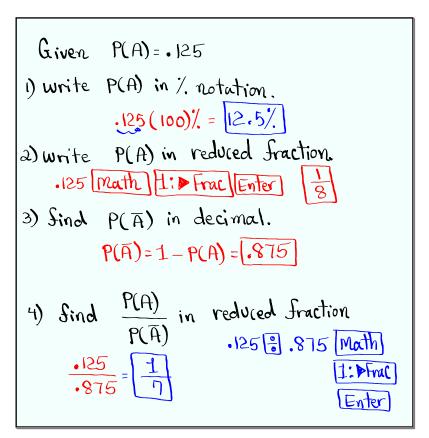
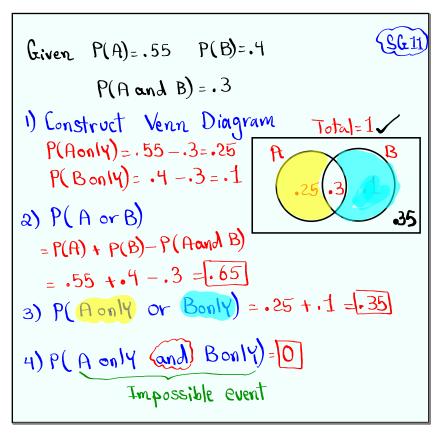


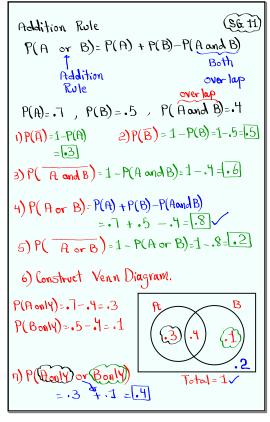
Feb 19-8:47 AM



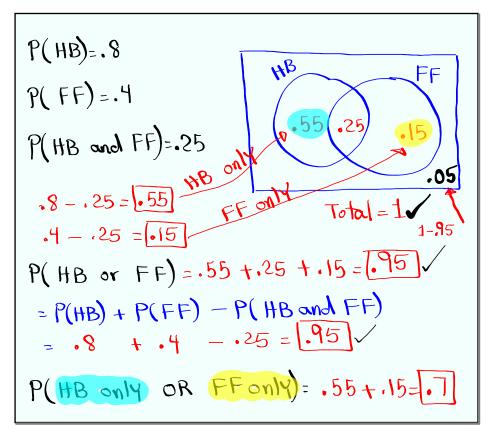
Oct 7-6:51 PM



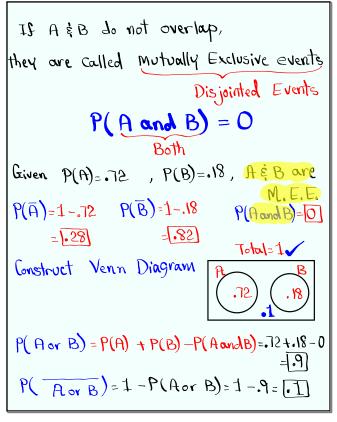
Oct 7-6:58 PM



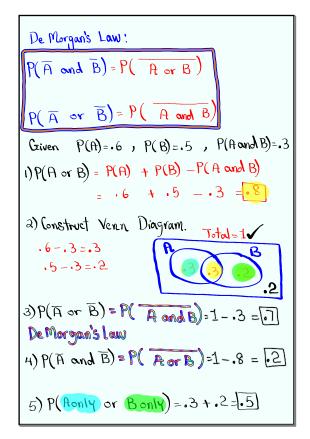
Oct 7-7:06 PM



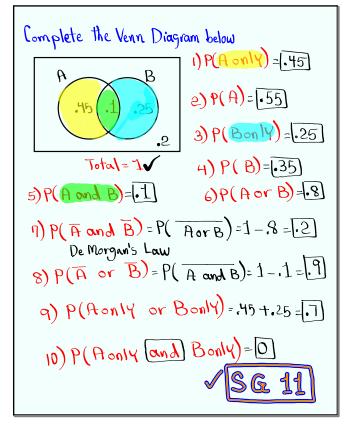
Oct 7-7:18 PM



Oct 7-7:27 PM



Oct 7-7:35 PM



```
Intro. to odds:

Odds in Savor of event E are

Odds in Savor of event E are

H times # times

E happens

in (a+b) Total times,

I Slipped a Coin 40 times, it landed

tails 25 times.

25 tails: 15 tails

Simplify

5:3

Odds in Savor of landing tails are

5:3
```

Oct 7-8:10 PM

```
what are the odds of drawing an Are

from a full deck of playing Cards?

4 Aces: 48 Aces

Divide by 4

1:12

If odds in Savor of event E are asb,

then odds against E are b.a.

1) odd in Savor of drawing a Sare Card

12 Sace: 40 Sace

[3:10]

2) odds against drawing a Sace Card.

10:3
```

Oct 7-8:14 PM

How to Sind P(E) and P(E) if

we have the odds in Savor of E.

If odds in Savor of E are
$$0.8b$$
,

then $P(E) = \frac{a}{a+b}$, $P(E) = \frac{b}{a+b}$

Suppose odds in Savor of Dodgers to

win the World Series are 5.3 ,

 $P(win) = \frac{5}{5+3} = \frac{5}{8}$
 $P(win) = \frac{3}{5+3} = \frac{3}{8}$

Oct 7-8:19 PM

How to Sind odd in Savor of event E is

P(E) is given.

Odds in Savor of event E are

P(E) : P(E)

Always Simplify.

Suppose Prob. that LA Lakers win the champion ship this year is .125.

P(W): P(W) > 1:7

.125 : .875 Math 1: Mac Enter

```
Multiplication Rule

Keyword AND

Multiple Action event

P(A and B)

A happens, then B happens

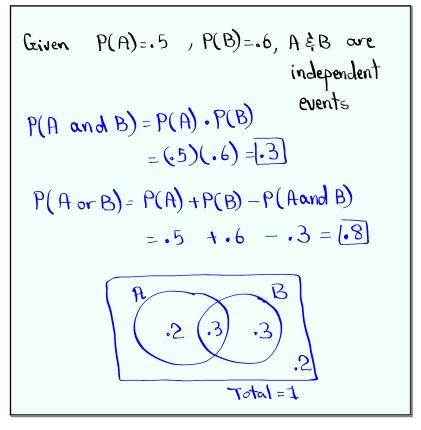
Case I: Independent Events

one outcome does not change

the prob. of next outcome

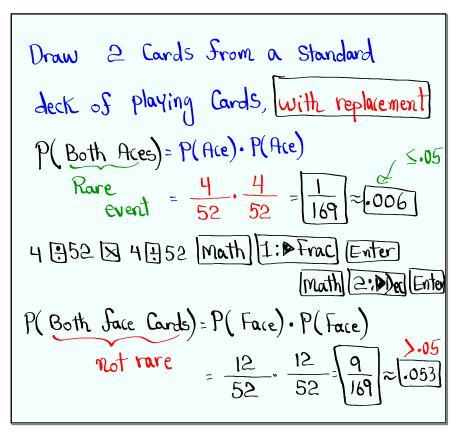
P(A and B) = P(A)·P(B)
```

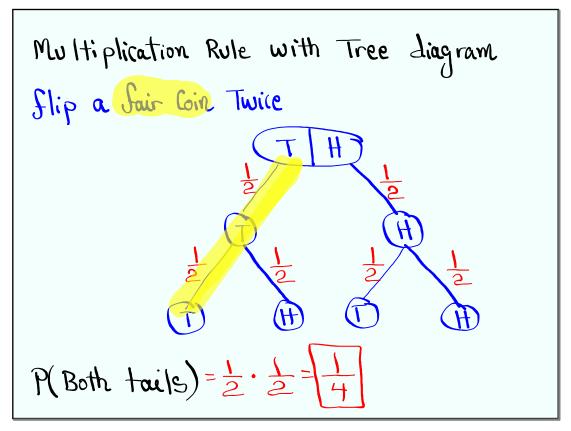
Oct 7-8:29 PM



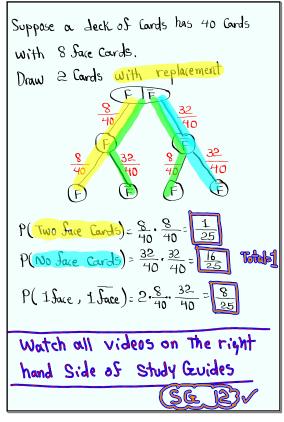
Oct 7-8:34 PM

Oct 7-8:37 PM





Oct 7-8:51 PM



Oct 7-8:55 PM