event
$$\Omega = \begin{cases} \text{set of all } \\ \text{space} \end{cases}$$

ex flipping a coin $\Omega = \begin{cases} 1, T \\ 2 \end{cases}$

ex folling 2 dize thin sum

 $\Omega = \begin{cases} 2, 3, 4, \dots T \\ 2 \end{cases}$

note: don't assume all events one
eganally.

Det a probability measure: a further
that assigns a # bothern 0 and 1
to every event.

P(rolling a 7) = $\frac{6}{36}$.

P(rolling a much loss than 12) = $\frac{35}{36}$

ex let $\Omega = \begin{cases} 1, 2, 3, 4, 5, 6 \\ 36 \end{cases}$.

P(rolling a much loss than 12) = $\frac{35}{36}$

ex let $\Omega = \begin{cases} 1, 2, 3, 4, 5, 6 \\ 36 \end{cases}$.

P(x=1) = $\frac{1}{6}$ P(x=2) = $\frac{2}{6}$ = $\frac{1}{3}$
when all events one expally likely.

P(event A) = $\frac{1}{6}$ was A (m hyporally).

P(rolling on even or a prime) = $\frac{5}{6}$

P(rolling on even or a prime) = $\frac{5}{6}$

P(rolling an even or a prime) = $\frac{5}{6}$