More Probability

Combinations All must be true.

- 1) No Replacement
- 2) No Order
- 3) Dependent Events
 the 2nd event is
 influenced by the
 - influenced by the outcome of the first event.

Individual Probabilities

If Any are true:

- 1) Replacement
- a) Order
- 3) Independent Eventsthe 2nd event is <u>not</u> influenced by the outcome of the 1st event. * Rolling Dice

Draw 3 + Keep them.

$$P(2 | 100's + 1 | 50) = \frac{2C_2 \cdot \mathcal{L}}{14C_3}$$

$$P(2 | 100's + 1 | 50) = \frac{2C_2 \cdot \mathcal{L}}{14C_3}$$

$$= \frac{1}{91}$$
Prob ($\frac{1}{2}$ 0, $\frac{1}{3}$ 100, $\frac{1}{2}$ 0) = $\frac{1}{3}$ 100.

Pick 1 bill. Draw, put back, draw.

Prob ($\frac{1}{3}$ 20, put back, $\frac{1}{3}$ 50)

