

Independent and Dependent Events.

$$P(\text{red}) = \frac{7}{12}$$

$$P(\text{red}^{2\text{nd}} \mid \text{red}^{1\text{st}}) = \frac{6}{11}$$

$$P(\text{less than 3}) = \frac{2}{6}$$

b) Independent

$$P(\text{Less than 3} \mid \text{head}) = \frac{2}{6}$$

$$P(E) = \frac{4}{8}$$

$$P(E|P) = \frac{1}{4}$$

$$(C) P(E|L) = \frac{2}{4} = \frac{1}{2}$$

