

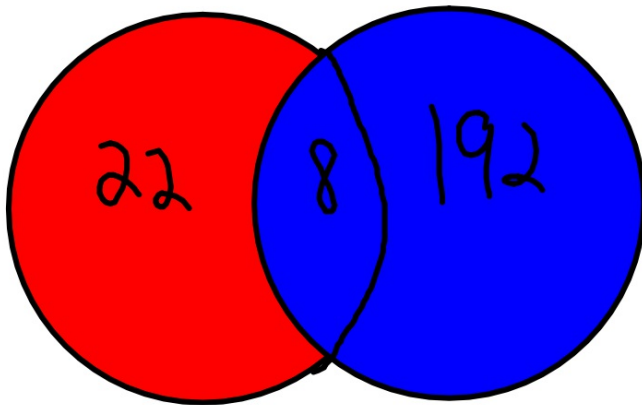
$$\frac{1}{4} \quad \frac{1}{4} \quad \frac{1}{4} \quad \frac{1}{4}$$

$$\frac{13}{52} \quad \frac{12}{51}$$

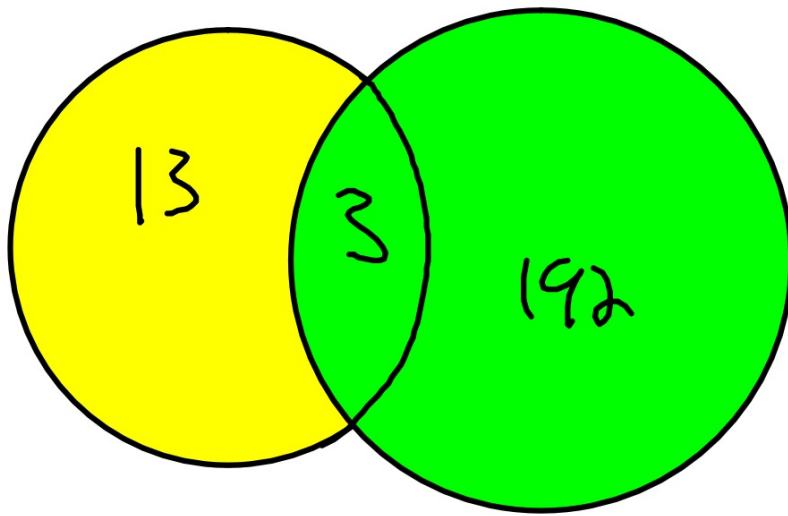
Addition Rule

Mutually Exclusive - a group that keeps to itself

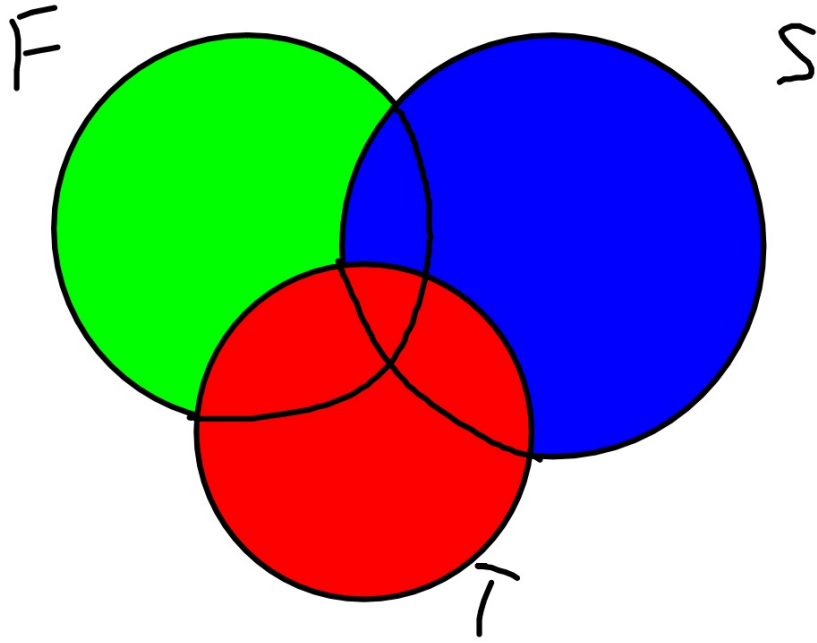
30



200



208

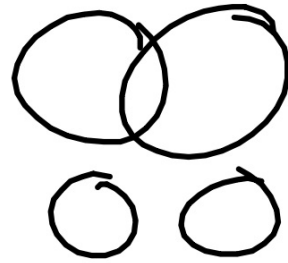


Addition Rule

$$\underline{P(A \text{ or } B)} = \underline{P(A)} + \underline{P(B)} - \underline{P(A \text{ and } B)}$$

Deck of Cards

$P(\text{K or Diamond})$



$$\frac{4}{52} + \frac{13}{52} - \frac{1}{52} = \frac{16}{52} = \frac{4}{13}$$

K	H
<u>K</u>	<u>D</u>
K	C
K	S

2
3
4
5
6
7
8
9

10
J
Q
<u>K</u>
A

$$P(\text{Club or Spade}) \left(\begin{array}{l} \text{p. 710 9-14} \\ \text{20-25} \end{array} \right)$$
$$\frac{13}{52} + \frac{13}{52} = \frac{26}{52} = \frac{1}{2}$$

$$P(\text{Club or Black})$$

$$\frac{13}{52} + \frac{26}{52} - \frac{13}{52} = \frac{26}{52} = \frac{1}{2}$$