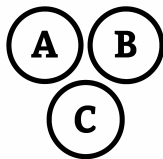


# E

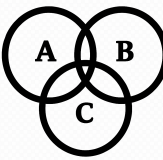
## Complementary Event

# E



$$S = \{1, 2, 3, 4, 5, 6, 7, 8\}$$

$$A = \{1, 2\}$$



$$P(A) = |A|/|S| = 2/8 = 0.25$$

$$P(A^C) = 1 - P(A) = 0.75$$

?

$$P(A) = 0.6$$

$$P(B) = 0.5$$

$$P(S) = 1.0$$

$$P(A \cap B) = ?$$

# E

## Complementary Event

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# E



$$P(A) = 0.6$$

$$P(B) = 0.5$$

$$P(S) = 1.0$$

$$P(A \cap B) = P(A) + P(B) - P(S) = 0.60 + 0.50 - 1 = 0.10$$