Examples:

Free throw example: one shot.

- \( P(\text{Jordan makes shot}) = 0 \), impossible.
- \( P(\text{Mike makes shot}) = 0.1 = \frac{1}{10} \).
- \( P(\text{James makes shot}) = 0.7 = \frac{7}{10} \).
- \( P(\text{Daniel makes shot}) = 1 = 100\% \).

Certain events:

For any event \( A \), \( P(A) = \frac{\# \text{ of ways } A \text{ happens}}{\text{total } \# \text{ of possibilities}} \).

Flip a coin, \( P(H) = \frac{1}{2} \).

\( 0 \leq P(A) \leq 1 \)

Sum of the probabilities of all outcomes must equal to 1.

- \( A \cup B = A \cup B \) if mutually exclusive, \( A + B \).
- \( A \cap B = A \cap B \) if mutually exclusive, \( 0 \).

Mutually exclusive, can't happen together.
1. \( \frac{288}{759} \)

2. \( \frac{451}{759} \)

3. \( \frac{424}{759} \)

4. \( \frac{173}{759} \)

5. \( \frac{196}{759} + \frac{123}{759} \)

6. \( \frac{265}{759} \)

7. \( \frac{259 - 298}{759} \)

8. 1

9. 0

10. \( \frac{92}{298} \)

11. \( \frac{92}{265} \)