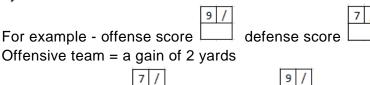# How Pin Fall Converts to Yardage
Results of frames provide movement of the ball in a positive or negative direction

- Offense strikes (x) and defense strikes (x) = no gain
- Offense strikes (x) and defense spares (/) = gain
  - Result depends on first ball thrown
    9/ = 10 yards, 8/ = 15 yards, 7/ = 20 yards, 6/ = 25 yards, 5,4,3,2,1 / = 30 yards
- Offense strikes (x) and defense opens = gain
  - Result depends on first ball thrown
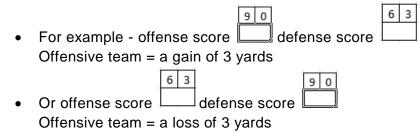   9 =20 yards, 8 = 30 yards, 7 = 40 yards, 6 = 50 yards, 5,4,3,2,1 results in a touchdown
- Offense spares (/) and defense strikes (x) = loss
  - Result depends on first ball thrown
    9/ = -1, 8/ = -2, 7/ = -3, 6/ = -4, 5/ = -5, 4/ = -6, 3/ = -7, 2/ = -8, 1/= -9, 0/= -10
- Offense spares (/) and defense spares (/)
  - Offensive team yards gained or lost = the difference in pins on the first ball thrown in the frame, by each team

    For example - offense score | 9 | / | defense score | 7 | / |
    Offensive team = a gain of 2 yards

    Or - offense score | 7 | / | defense score | 9 | / |
    Offensive team = a loss of 2 yards
- Offense spares (/) and the defense opens = gain of yards
  - Results depend on 1st ball thrown by defense
    9 = 3 yards, 8 = 6 yards, 7 = 9 yards, 6 = 12 yards, 5 = 15 yards, 4 = 18yards,
    3 = 21yards, 2 = 24yards, 1 = 27 yards, 0 = 30 yards

- Offense opens and defense strikes (x) results in a turnover, either a fumble or an interception drawn by the computer. Ball is advanced from original spot of play
  - Results depend on 1st ball thrown by offense
    9 = 5 yards, 8 = 10 yards, 7 = 15 yards, 6 = 20 yards, 5 = 25 yards,
    4, 3, 2, 1, 0 = 30 yards
- Offense opens and defense spares (/) = a loss of yards
  - Results depend on 1st ball thrown by offense.
    9 = -1, 8 = -2, 7 =-3, 6 = -4, 5 = -5, 4 = -6, 3 =-7, 2 = -8, 1 = -9, 0 = -10
- Offense opens and defense opens (both teams do not spare or strike)
  - Offensive team yards gained or lost = the difference in pins on first ball thrown in the frame, by each team

    - For example - offense score | 9 | 0 | defense score | 6 | 3 |
      Offensive team = a gain of 3 yards

    - Or offense score | 6 | 3 | defense score | 9 | 0 |
      Offensive team = a loss of 3 yards

- 10th frame
  - Only the first 2 balls thrown in the frame count towards results

    - For example - a player scores | x | x | x |
      Only the first strike is used

    - Or a player scores | 9 | / | x |
      Only the first 9 / is used