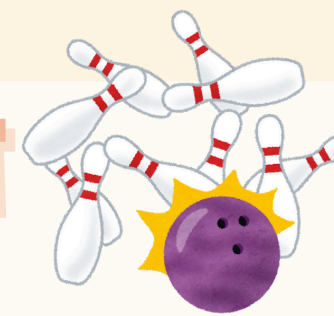


# BOWLING



## Ball Specifications

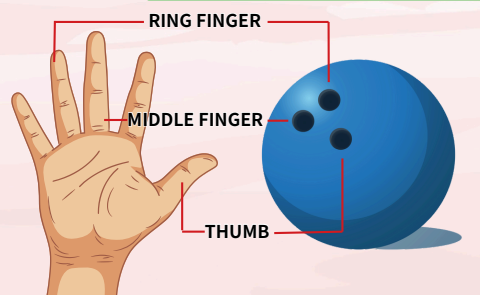
- Weight of the ball shall not exceed 16 pounds, with no minimum weight
- 8.5 inches < Diameter < 8.595 inches
- Holes or indentations for gripping purposes shall not exceed five



## Universal Playing Rules

- Players deliver the ball behind the foul line to knock down the ten bowling pins in an equilateral triangle formation at the end of the lane
- A game consists of ten frames; scores are calculated based on the number of pins knocked down
- “Strike” : a full setup of 10 pins is knocked down with the 1st delivery in a frame (marked by an “ X ”), no 2nd delivery is required
- “Spare” : pins left standing after the 1st delivery are knocked down with the 2nd delivery in that frame (marked by a “ / ”)

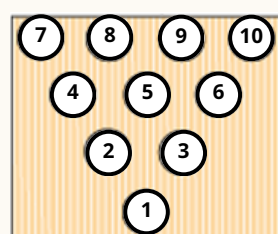
A typical grip of a 3-Hole Bowling Ball



15 inches

## Pin Specifications

- Made of new, sound and hard maple
- 1.531 kg < Weight < 1.645 kg



## World Scoring System (To be adopted in the 15th National Games):

A player delivers two balls in all the ten frames unless a strike is scored

Strike : 30

Spare : 10 + first delivery in this frame  
69 + 10 + 9 = 88

Not spare : 1st + 2nd delivery  
193 + 9 + 0 = 202

	1	2	3	4	5	6	7	8	9	10	Score
World Scoring System	X	7 2	X	9 /	7 -	9 /	X	X	9 /	9 -	202
	30	39	69	88	95	114	144	174	193	202	

	1	2	3	4	5	6	7	8	9	10	Score
Traditional Scoring System	X	7 2	X	9 /	7 -	9 /	X	X	9 /	9 -	169
	19	28	48	65	72	92	121	141	160	169	

Strike : 10 + next 2 deliveries  
10 + 7 + 2 = 19

Spare : 10 + next 1 delivery  
48 + 10 + 7 = 65

Not spare : 1st + 2nd delivery  
160 + 9 + 0 = 169

## Traditional Scoring System:

A player delivers two balls in each of the first nine frames unless a strike is scored  
In the tenth frame, a player delivers three balls if a strike or spare is scored

## Lane Specifications

