

Bowling Ball Data Analysis

A group of students obtained the following data in their study of forces. What patterns can you observe?

Mass of Bowling Ball	# of mallet hits	Applied Force	Speed of ball
6.3 Kg	1	30 N	4.5 m/s
6.3 Kg	2	60 N	15 m/s
6.3 Kg	3	90 N	29 m/s
4.7 Kg	1	30 N	6.4 m/s
4.7 Kg	2	60 N	20 m/s
4.7 Kg	3	90 N	39 m/s