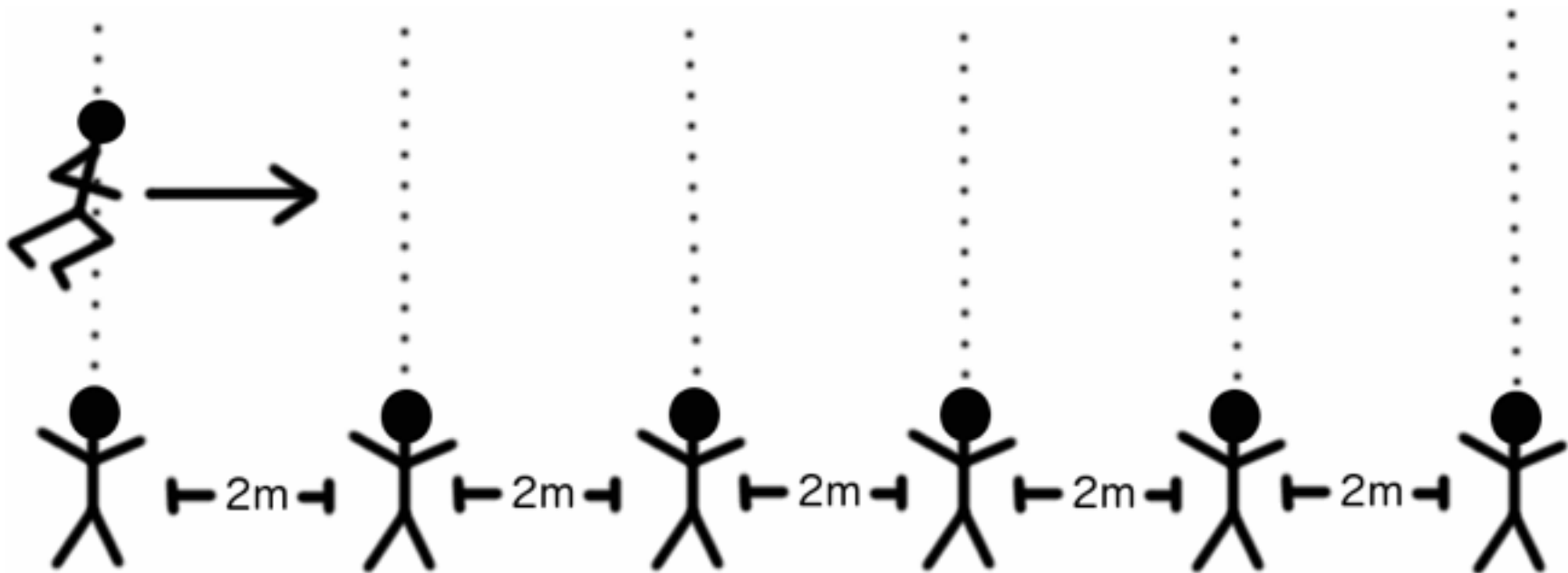


Accelerated Motion

When given the signal, the runner will begin running the motion described by the teacher. Each time will start when the runner starts and hit stop when the runner passes them.



Time 1 (s)	Time 2 (s)	Time 3 (s)	Time 4 (s)	Time 5 (s)	Time 6 (s)

Analysis

Changes in Time

Time 2 - Time 1 (s)	Time 3 - Time 2 (s)	Time 4 - Time 3 (s)	Time 5 - Time 4 (s)	Time 6 - Time 5 (s)

What is the change in position between each timer? _____

Velocities (change in position / change in time)

Between 1 and 2 (Velocity 1)	Between 2 and 3 (Velocity 2)	Between 3 and 4 (Velocity 3)	Between 4 and 5 (Velocity 4)	Between 5 and 6 (Velocity 5)

Changes in Velocity

Velocity 2 - Velocity 1	Velocity 3 - Velocity 2	Velocity 4 - Velocity 3	Velocity 5 - Velocity 4

Acceleration (change in velocity / change in time)

Between 2 and 3	Between 3 and 4	Between 4 and 5	Between 5 and 6