

Yr 10 Motion Quiz

Name: _____

1. **Explain** the difference between velocity and speed? [1 Mark]
2. **Explain** the difference between distance and displacement? [1 Mark]
3. **Calculate** the average speed of a golf ball if it takes 5 seconds to go 10 metres? Give the answer in m/s. [2 Mark]
4. **Calculate** the average speed of a car driving the 22 km from Wyong to Gosford if it takes 30 minutes? Give the answer in km/h. [3 Mark]
5. How many laws did Newton need to explain motion? [1 Mark]
6. **Estimate** the distance and displacement of Billy's journey if he walks from the office to the canteen then back to office again. [2 Mark]
7. **Explain** the effect that friction has on an object's motion. [2 Mark]