Grade 9A

Section 3.1 Acceleration

1. To calculate the average acceleration,

$a=\Delta v/\Delta t$ $a=v/\Delta t$ $a=(\Delta v).(\Delta t)$

2. The SI unit of acceleration is

$m.s^2$ m/s^2 m^2/s

3. From a velocity-time graph, the acceleration is the

Slope rise run

4. The direction of the acceleration is the same as

Initial velocity final velocity change in velocity

5. A car speeds up from 40km/h to 120km/h within 0.08h, then the average acceleration is

1000km/h -1000km/h
$1000km/h^2$