

### Definitions and Formulas

Momentum is vector quantity that is equal to the mass of an object multiplied by it's velocity, It has units of kg m s<sup>-1</sup> or N s and is in the same direction as velocity

$$P=MV$$

P

### Definitions and Formulas

$$\Sigma p_i = \Sigma p_f$$

$\Sigma p_i$  = total initial momentum (N s or kg m s<sup>-1</sup>),

$\Sigma p_f$  = total final momentum (N s or kg m s<sup>-1</sup>)



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