MOMENTUM NOTES

Momentum = mass x velocity $p = mv$

` units kilogram x meter/second

$$F = ma = \frac{m\ v}{t}$$

Impulse = force x time (Vector in the direction of the force)

Impulse = change in momentum $F\ t = m\ v$

If mass is constant then $F\ t = p$

This is called the impulse – momentum theorem

Whenever a force acts for a period of time, there will be a change in momentum