

Review for Momentum Exam Blended Physics

Know the definition of:

Momentum

Impulse

Elastic Collision

Inelastic Collision

Know how impulses work.

CHANGE in momentum equals _____?

Can a large truck and small car have the same momentum? How?

Be able to calculate momentum.

Impulse equals _____

How would you increase the change in momentum when hitting a baseball?

Why do cars have padded dashboards?

Go over the canon-canon ball system discussed in the notes. A couple of questions will be related to that.

How does Newton's third law work with momentum?

Impulse relies on Force and _____?

Know how conservation of momentum works

Impulses are always EQUAL.

Is momentum a vector or scalar?

Go over all the types of problems we have done.

Momentum $p = mv$

Impulse $J = FT$

Momentum = Impulse $FT = mv$ or $FT = mv_f - mv_i$

Elastic Collisions

$$m_1v_{1i} + m_2v_{2i} = m_1v_{1f} + m_2v_{2f}$$

Inelastic collision (Both types)

$$m_1v_{1i} + m_2v_{2i} = (m_1 + m_2)v_f$$

$$(m_1 + m_2)v_i = m_1v_{1f} + m_2v_{2f}$$

Look over all your problems from workbook to worksheets.