

Physics 30 Worksheet # 1: *Momentum*

1. Calculate the momentum of a 1.60×10^3 kg car traveling at 20.0 m/s.
2. Calculate the momentum of a 2.50×10^3 kg truck traveling at 110 km/h.
3. How fast is a 1.50 kg ball moving if it has a momentum of 4.50 kg·m/s?
4. A 75.0 g ball is rolling at a speed of 57.0 cm/s. Calculate the ball's momentum.

The highlighted questions will be done in class first

5. A 5.00 kg ball accelerates at a rate of 2.00 m/s^2 for 1.50 seconds. Calculate the ball's momentum after the acceleration.
6. A 2.00 kg rock is dropped from the top of a 30.0 m high building. Calculate the ball's momentum at the time that it strikes the ground.
7. A 1.00 kg rock is thrown up into the air from ground level at a speed of 8.00 m/s. The ball travels up to a maximum height, then returns to the ground. Calculate the rock's momentum as it strikes the ground.
8. A 1.50 kg rock is thrown up into the air from ground level, reaches a maximum height of 7.00 m, then returns to the ground. Calculate the rock's momentum as it strikes the ground.

Momentum Practice Exercises Hewwit 2014 Weekend Hw

RJ Alexander



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Reviewing **Momentum Practice Exercises Hewwit 2014 Weekend Hw**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is really astonishing. Within the pages of "**Momentum Practice Exercises Hewwit 2014 Weekend Hw**," an enthralling opus penned by a very acclaimed wordsmith, readers set about an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve into the book's central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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