

## Momentum Problems And Answers Worksheets

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1. Find the momentum of a round stone weighing 12.05kg rolling down a hill at 8m/s. Formula – P= kg x m/s. = 12.05kg x 8m/s. = 96.4 kg x m/s down hill. Note that the final answer has the proper SI unit of momentum (kg x m/s) after it and it also mentions the direction of the movement. 2.

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Momentum Word Problems Answer Key Worksheets - Kiddy Math So therefore momentum = kg x m/s and SI unit for momentum is kg x m/s. Momentum must always have a direction and so the final answer must reflect the direction of the momentum or velocity. Example questions. 1. Find the momentum of a

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Basic Momentum Problems (round all final answers to nearest tenth) 1. Calculate the momentum of a 1200kg car with a velocity of 25m/s. p = mv = 1200 X 25 = 30,000kg.m/s. 2. What is the momentum of...

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### Momentum Problems And Answers Worksheets

momentum = mass of object x velocity of object. Velocity is a term that refers to both speed and direction. For our purposes we will assume. that the vehicles are traveling in a straight line. In that case, velocity and speed are the same. The equation for momentum is abbreviated like this: p=m×v.

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Physics 30 Worksheet # 1: Momentum 1. Calculate the momentum of a 1.60 x 103 kg car traveling at 20.0 m/s. 2. Calculate the momentum of a 2.50 x 103 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. 5.

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Momentum The momentum of an object is calculated using the formula: p = m x v where p – momentum m – mass of an object in kilograms v – velocity of an object in m?s-1 The unit of measurement for momentum is kg?m?s-1. Impulse Impulse is the change in momentum. Impulse = ?p. Impulse is also given by the product of the resultant

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Imagine yourself in the driver's seat. The windows are down, and the breeze is warm. Your tunes are blasting, you've got the pedal to the metal, and you're feeling like a million bucks. This is gonna be the best road trip ever! Slight problem: Your destination is east, but you're headed west. Simple solution: Take your foot off the accelerator and jam it on the brake, then turn the steering wheel and change direction. Voil ! But it doesn't take a rocket scientist to figure out that changing directions in life isn't nearly so easy. You can call it momentum, the domino effect, or "consequences," as someone probably growled at you once upon a time. Whichever. Truth be told, the choices you make now set in motion the series of events that will compose the rest of your life. It's up to you to move your life in the direction you want it to go. This devotional is crammed with all sorts of inspiring Bible tales, modern stories, weird news, and crazy facts that will help get you moving in the right direction. Step one: Crack open this book and start reading. Step two: Repeat step one again tomorrow . . . and enjoy the ride!