

$p = mv$	$J = Ft$	$Ft = mv$	$F = ma$	$a = v_f - v_i/t$
<p>A</p> <p>What is the momentum of a 500.0 kg boulder going 15.5 m/s?</p>	<p>F</p> <p>How long does a force of -125 N need to be applied for an 82 kg bike rider and bike to come to rest if their original velocity is 8.25 m/s?</p>	<p>K</p> <p>What is the acceleration of a rocket if 200 N are applied to its 5.5 kg?</p>	<p>P</p> <p>What mass can be accelerated at 15.8 m/s/s with a force of 12,000N?</p>	<p>U</p> <p>What is the acceleration of a toy car that goes from 2.5 m/s to 5.8 m/s in 6.2s?</p>
<p>B</p> <p>A force of 19 N is applied to a book on a frictionless surface. What is the impulse?</p>	<p>G</p> <p>What is the mass of a bullet with a velocity of 450 m/s if it has 1200 kgm/s of momentum?</p>	<p>L</p> <p>How fast is a ball leaving pitcher's glove moving if he applies 45 N to the .358 kg ball over a time of .59s?</p>	<p>Q</p> <p>What is the acceleration of a SUV that goes from rest to 30.0 m/s in 6.8s?</p>	<p>V</p> <p>What force is needed to move a 6.5 kg toddler in a stroller from rest to 3.5 m/s in 2.9s?</p>
<p>C</p> <p>What mass can be accelerated at 5.5 m/s/s if the force is 330 N?</p>	<p>H</p> <p>What force is needed to produce an impulse of 2.58 Ns over a time of 13.2s?</p>	<p>M</p> <p>What is the velocity of a car with a mass of 950 kg if the momentum is 13450 kgm/s?</p>	<p>R</p> <p>What is the mass of a school bus if it can accelerate from rest to 15.5 m/s over 8.25 s with 7,500N of force?</p>	<p>W</p> <p>What force is needed to accelerate a 2.58 kg rabbit at .356 m/s/s?</p>
<p>D</p> <p>A force of 3.58 N is applied to a 12.5 kg crate of oranges for 2.5s. What is the final velocity?</p>	<p>I</p> <p>What is the acceleration of a car if a net force of 9000 N is applied to the 1250 kg mass?</p>	<p>N</p> <p>How long does it take for a 3.58N force to produce an impulse of 4.52 Ns?</p>	<p>S</p> <p>What is the momentum of a flower pot just before it hits the sidewalk at 19.5 m/s if it has a mass of 3.25 kg?</p>	<p>X</p> <p>What force is needed to accelerate a 1200 kg car from rest in 4.56s if the impulse is 4568 Ns?</p>
<p>E</p> <p>What is the final velocity of a boulder rolling down a hill if it starts at rest and has an acceleration of 4.5 m/s/s for 3.5s?</p>	<p>J</p> <p>What is the final velocity of a bike rider if they start at rest and accelerate at 2.52 m/s/s for 5.6 s?</p>	<p>O</p> <p>How long will it take a car to go from rest to 12.5 m/s with an acceleration of 6.75 m/s/s?</p>	<p>T</p> <p>A force of 119 N is applied to a boulder for 9.61s. What is the impulse?</p>	<p>Y</p> <p>What is the velocity of a .258 kg toy motorboat if it has 3.15 kgm/s of momentum?</p>