

Fill in the Blanks

Momentum and Impulse

Mass of Particle	Initial Velocity	Initial Momentum	Final Velocity	Final Momentum	Force	Time	Impulse
4 kg	2 ms^{-1}		5 ms^{-1}			1 s	
5 kg	0 ms^{-1}				7.5 N		30 Ns
2 kg				18 Ns		0.5 s	8 Ns
	1 ms^{-1}	3 Ns			2.4 N	5 s	
100 g	20 ms^{-1}			5 Ns		0.25 s	
2 tonnes			4.5 ms^{-1}			3 s	6000 Ns
	13 ms^{-1}	5.2 Ns		12.4 Ns		0.1 s	7.2 Ns
2 kg	-5 ms^{-1}		20 ms^{-1}		250 N		50 Ns
0.5 kg				10 Ns	7 N		14 Ns
$m \text{ kg}$	$u \text{ ms}^{-1}$			$5mu \text{ Ns}$		2 s	