## Momentum in one direction

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① A ball of mass 0.5 kg hits a vertical fixed wall at right angles with speed 4.5ms	s <sup>-1</sup> .
The ball rebounds with speed 3 ms <sup>-1</sup> . Find the magnitude of the impulse exerts	
ball on the wall.	200 29 0100
ball on the wall.	
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$(ar{2})$	
$\widehat{\underline{2}}_{A}$ particle of mass 5 kg, initially at rest on a smooth horizontal plane is acted upon b	y a force
with magnitude 7.5 N for 9 s.	
Find: (a) the magnitude of the impulse given to the particle by the force.	
(b)the final speed of the particle.	

## Momentum in one direction

$\overline{m{3}}$ ) A ball of mass 0.6 kg falls from a height of 3.5 m above a horizontal ground. After hit	tting
the ground it bounces to a height of 1.5 m above the ground. Find the magnitude of th	ıe
impulse received by the ball from the ground.	
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