		s a particle moving we values of P and Q	ith	25 <i>N</i> ←	6P —	$\frac{v}{3Q}$	P + 2Q
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		nd direction of the result	tant force. (ii)	15 <i>N</i>			
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driving force, and the motion of the car is opposed by a constant resistance. (a) Modelling the car as a particle, draw a force diagram to show the forces acting on the ca												
(b) Given that the resultant force on the car is 5400 N in the direction of motion, and that the magnitude of the driving force is ten times the magnitude of the resistance force, calculate the magnitude of the resistance.												
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