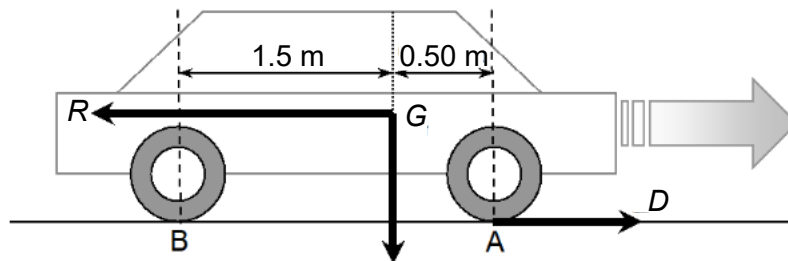


- 10 The figure below represents the various forces acting on a car moving towards the right. The driving force D acts on the front wheels and the total resistive force is represented by the force R . The weight W of the car is 12000 N and it acts on the centre of mass G which is 90 cm above the ground.



Given that the values of D and R are both 7000 N, what are the values of the normal reaction forces at A and at B acting on the wheels?

	normal reaction force at A / N	normal reaction force at B / N
A	8100	3900
B	6000	6000
C	6150	5850
D	5850	6150

- 11 A speed boat has two identical motors. When both motors are working, the speed boat attained