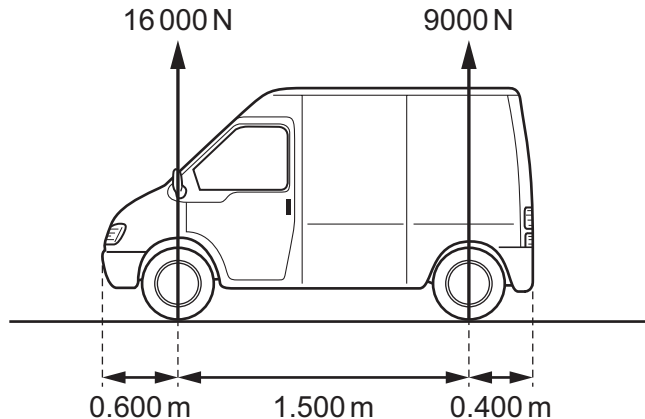


13 The vertical forces that the ground exerts on a stationary van are shown.



The van is 2.50 m long with the wheels at a distance of 0.600 m from the front of the van and 0.400 m from the rear of the van.

What is the horizontal distance of the van's centre of gravity from the front of the van?

A 0.540 m

B 0.960 m

C 1.14 m

D 1.36 m

14 An object hangs by means of two cords around two rods, as shown.