

9 A tractor of mass 1800 kg uses a towbar to pull a trailer of mass 1000 kg on a level field. The tractor and trailer experience resistances to motion of 1600 N and 800 N respectively. The tractor provides a driving force of 6600 N .

(a) Draw a force diagram showing all the horizontal forces acting on the tractor and trailer. [2]

(b) Find the tension in the towbar. [4]