4		Rory pushes a box of mass $2.8 \mathrm{kg}$ across a rough horizontal floor against a resistance of $19 \mathrm{N}$. Rory applies a constant horizontal force. The box accelerates from rest to $1.2 \mathrm{ms^{-1}}$ as it travels $1.8 \mathrm{m}$.	
	(i)	Calculate the acceleration of the box.	[2]
	(ii)	Find the magnitude of the force that Rory applies.	[2]