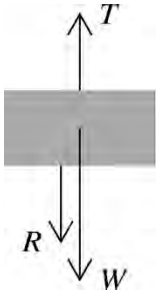
9	**(a)**		$9500 - 55g - 830g = 885a$ $a = 0.934\,\text{m s}^{-2}$	**M1** **A1** **[2]**	**3.3** **1.1**	Attempt at Newton's second law – correct number of terms (condone sign errors) Allow 827/885	Weight and mass correctly used 0.9344632768…
9	**(b)**			**B1** **[1]**	**3.3**	Correct diagram – three forces (tension in the cable vertically upwards, weight of the crate vertically downwards and normal contact force acting vertically downwards) Note – all three forces labelled somehow, either numerically or with letters, with no extras.	Corresponding values not required but if present must be correct
9	**(c)**		$9500 - 55g - R = 55(0.9344...)$ or $R - 830g = 830(0.9344...)$ $R = 8910$ N	**M1** **A1ft** **A1** **[3]**	**3.3** **3.4** **1.1**	Attempt at Newton's second law for either the crate or car – correct number of terms (accept sign errors) Correct application of N2L following through their value of a from **(a)**	Allow in terms of a Weight and mass correctly used 8909.60452…