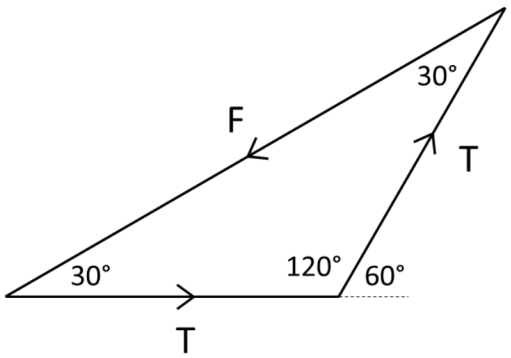
Question Number	Answer		Mark
14(a)	Straight arrow at least 6cm long representing F, with label	**(1)**	**4**
	Vector triangle drawn with at least two sides in the triangle labelled, and F on the longest side.	**(1)**	
	All three arrows in correct relative directions (dependent on MP2)	**(1)**	
	T = 70 N (allow range of 65 to 75 N)	**(1)**	
	Example vector diagram 		
14(b)	Use of $\Delta W = F\Delta s$	**(1)**	**3**
	Use of $P = W / t$ (allow	**(1)**	
	P = 28 (W), which is not equal to 35 (W), so is not consistent	**(1)**	
	[Use of $v = \frac{s}{t}$ [1]		
	Use of $P = Fv$ [1]		
	P = 28 W which is not equal to 35 W, so is not consistent [1]]		
	Allow approaches that work backwards from 35W to determine time, number of repetitions, force applied or vertical distance moved.		
	Example calculation ΔW = 150 N × 0.25 m = 37.5 J $P = \frac{37.5\text{ J} \times 90}{120\text{ s}}$ = 28.1 W		
	Total for question 14		**7**