

Question number	Answer	Notes	Marks
9 (a) (i)	work done = force $\times$ distance moved;	accept standard abbreviations rearrangements	(1)
(ii)	Substitution into correct equation; evaluation; e.g. $= 23 \times 0.34$ 7.8 (J)	allow a POT error for -1  7.82	(2)
(b)	determination of time for 1 movement/eq; substitution; evaluation;  e.g. 15 times in 60 s = 4 s $= \frac{7.8}{4}$ 2.0 (W)	ecf from (aii)  allow: calculation of total work done /60 allow 1 mark for correct use of 15  1.955, 2 (W)  allow 1 mark only for 7.82/60 or 782/60	(3)

**Total for Question 9 = 6 marks**