

Q1. (2021)

05.4	$1.2 \times 10^{-13} = F \times 0.015$		1	AO2 6.5.2
	$F = \frac{1.2 \times 10^{-13}}{0.015}$	allow a correct rearrangement using an incorrectly / not converted value of s	1	
	$F = 8.0 \times 10^{-12} \text{ N}$	allow 8×10^{-12} allow a correct calculation using an incorrectly / not converted value of s	1	

Q2. (2022)

a)

02.1	work done = force $\times$ distance (along the line of action of the force)		1	AO1 6.5.2
	or			
	$W = F s$			

b)

02.2	$3\,360\,000 = F \times 42\,000$		1	AO2 6.5.2
	$F = \frac{3\,360\,000}{42\,000}$		1	
	$F = 80 \text{ (N)}$		1	