

Question Number	Answer	Mark
13	Use of $W = mg$	(1)
	Use of $F = BIL \sin \theta$	(1)
	$L = 0.064 \text{ m}$	(1)
	<u>Example of calculation</u>	
	$W = 2.8 \times 10^{-3} \text{ kg} \times 9.81 \text{ N kg}^{-1} = 0.02747 \text{ N}$ $L = \frac{0.027 \text{ N}}{120 \times 10^{-3} \text{ T} \times 3.6 \text{ A}} = 0.0636 \text{ m}$	
	Total for question 13	3