

Question number	Answer	Notes	Marks
3	a i	newtons / N;	1
	ii	any one of scales weighing scale electronic/electric balance newtonmeter;	1
	b	MP1. Record outline of foot; MP2. Attempt at evaluation of area; MP3. Detail of method of measurement; e.g. Draw round foot / feet Count / estimate the squares On squared / graph paper	3
	c i	Pressure = force / area;	1
	ii	Substitution into correct equation; Evaluation; e.g. Pressure = $\frac{650}{270}$ 2.4	1 1
		ACCEPT • rearranged equation • equation in recognised symbols Ignore triangle or units equation allow 2.41 or 2.4074 etc	

(Total for Question 3 = 8 marks)