Question number		Answer	Notes	Marks
5 (a)		idea that higher frequency gives higher pitch;	allow reverse argument condone idea of proportionality / linearity	1
(b)	(i)	(wave) speed = frequency × wavelength	allow abbreviation, e.g. v = f × λ or rearrangements	1
	(ii)	substitution into correctly rearranged equation; evaluation; e.g. (v =) 340 / 160 (v =) 2.1 (m)	allow 2.125, 2.12, 2.13 or 2 (if supported)	2
(c)	(i)	straight line of best fit drawn within indicated area;	line does not need to be extended beyond data range for this mark	1
	(ii)	line of best fit extended to 20°C; student's own value from graph ± half a square;		2