Question number			Answer	Notes	Marks
7	(a)		24 (kPa);		1
	(b)		any three from: MP1. reading increases / pressure increases; MP2. reading doubles / pressure doubles/ reading is 48 kPa; MP3. (because) air particles collide with walls more **often**; MP4. (because) pressure × volume is constant;	scores first 2 marks allow quoted formula allow (because) pressure is inversely proportional to volume	3
	(c)	(i)	{speed / velocity / KE} of particles decreases;	allow less frequent collisions ignore 'motion / movement decreases'	1
		(ii)	pressure decreases; particles collide with walls less often; particles collide with less force;	allow particles colliding less hard	3

Total for Question 7 = 8 marks