17	A 'scuba tank' is used to store air at high pressure. A diver breathes underwater using air from the scuba tank.	
	(a) A scuba tank contains air at a pressure of 1.28×10^7 Pa and a temperature of 17.5 °C.	
	The scuba tank is left outside on a sunny day and the temperature of the air inside the scuba tank increases to 42.5 °C. The volume of the scuba tank remains constant.	
	Calculate the increase in the pressure exerted by the air inside the scuba tank.	
		(4)
	Increase in pressure =	