■ C 2

■ D 4

3	A closed container holds a mixture of two gases at a constant temperature. Each molecule of gas X has a mass four times that of each molecule of gas Y.	
	What is the ratio	$\frac{\text{r.m.s.velocity of molecules in gas X}}{\text{r.m.s.velocity of molecules in gas Y}}?$
	\triangle A $\frac{1}{4}$	

(Total for Question 3 = 1 mark)