12 Container X contains neon and container Y contains argon. The two containers are identical, and the two gases are at the same temperature. The pressure in X is twice that in Y.

What is the ratio of the mean kinetic energy of a neon molecule to the mean kinetic energy of an argon molecule?
[The relative atomic masses of neon and argon are 20 and 40 respectively.]

A 0.5   **B** 1   **C** 2   **D** 4