

- 5** Blocks A and B each of mass 2.0 and 1.0 kg respectively are connected by a massless spring and arranged on a frictionless table as shown in Fig. 5(a). After that, they are rearranged as shown in Fig 5(b).

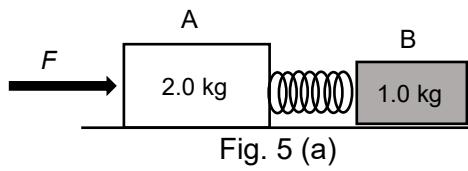


Fig. 5 (a)

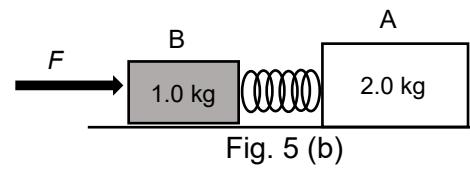


Fig. 5 (b)

What is the ratio of the compression of the spring in Fig. 5 (a) to that in Fig. 5 (b)?

A 1 : 2

B 2 : 1

C 1 : 3

D 1 : 1