5 Two smooth blocks of masses 0.2 kg and 1.0 kg, are connected by a light, inextensible string running over a smooth pulley. One block is placed on a smooth table and the other hangs over the table via the string and pulley. Two possible cases are shown in Fig. A and Fig. B below.

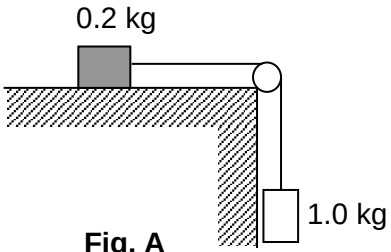

Fig. A

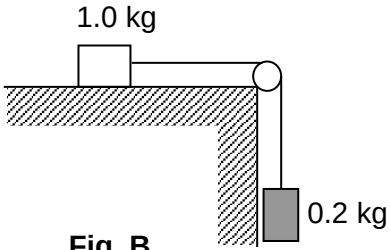

Fig. B

If the blocks in both Fig. A and Fig. B are released from rest, what is the ratio of the acceleration of the blocks in Fig. A to that in Fig. B?

A 10:1 **B** 6:1 **C** 5:1 **D** 1:1

[Turn over