Question 2 (4 marks)
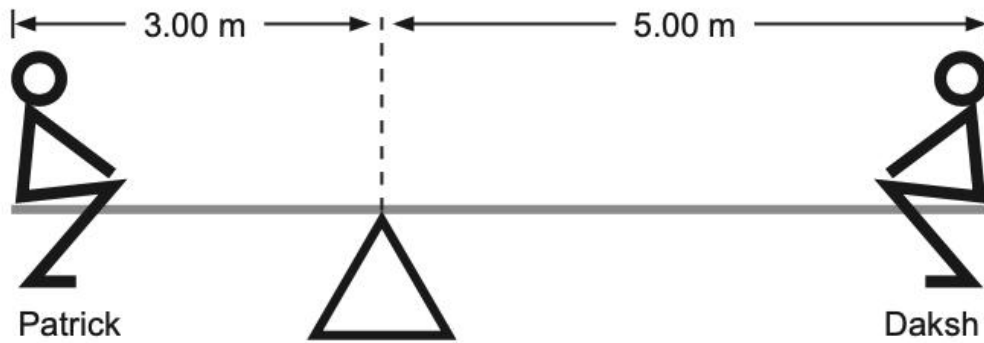
Patrick and Daksh are sitting on a seesaw discussing physics. They decide to place the uniform 15.0 kg beam on the pivot as shown in the diagram below. Daksh estimates that the system is balanced and tells Patrick to lift his feet off the ground. As usual, Daksh is correct and the system is balanced with neither of them touching the ground. Daksh has a mass of 60.0 kg. What is Patrick's mass?

Answer: _____ kg