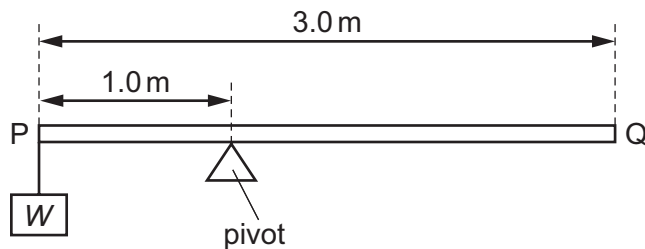12 The diagram shows a uniform beam PQ. The length of the beam is 3.0 m and its weight is 50 N. The beam is supported on a pivot 1.0 m from end P. A load of weight W is hung from end P and the beam is in equilibrium.

What is the value of W?

A 25 N   **B** 50 N   **C** 75 N   **D** 100 N