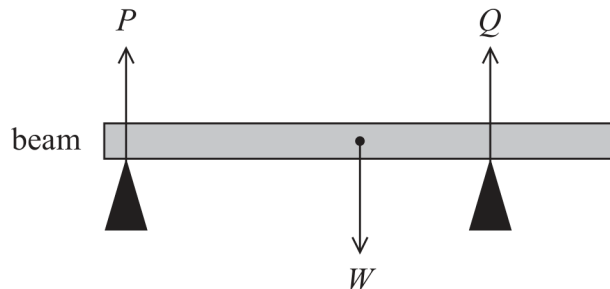9 A beam is balanced on two supports as shown.

The beam has a weight W and the reaction forces at the two supports are P and Q.

Which of the following statements about the magnitudes of the forces is correct?

☒ **A** $P > Q$

☒ **B** $Q > W$

☒ **C** $Q > P$

☒ **D** $(P + Q) > W$

(Total for Question 9 = 1 mark)