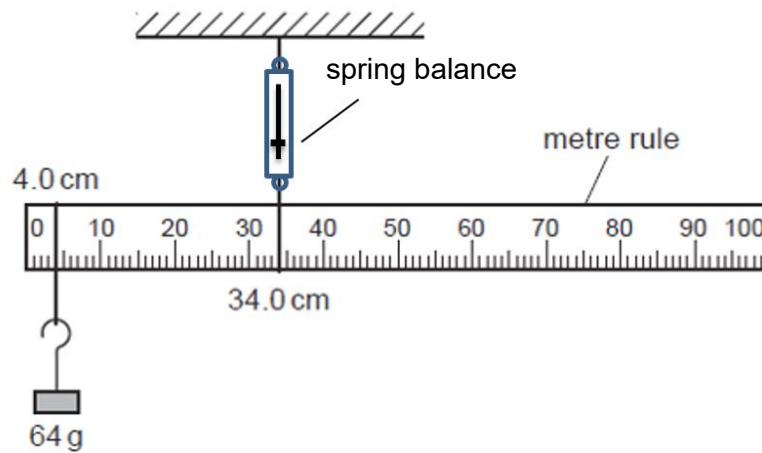


- 7 A non-uniform metre rule is pivoted at the 34.0 cm mark, as shown.



The rule balances when a 64 g mass is hung from the 4.0 cm mark and the spring balance shows a reading of 200 g.

At which mark is the centre of mass of the rule located?

- A** 48.1 cm **B** 50.0 cm **C** 64.1 cm **D** 66.0 cm