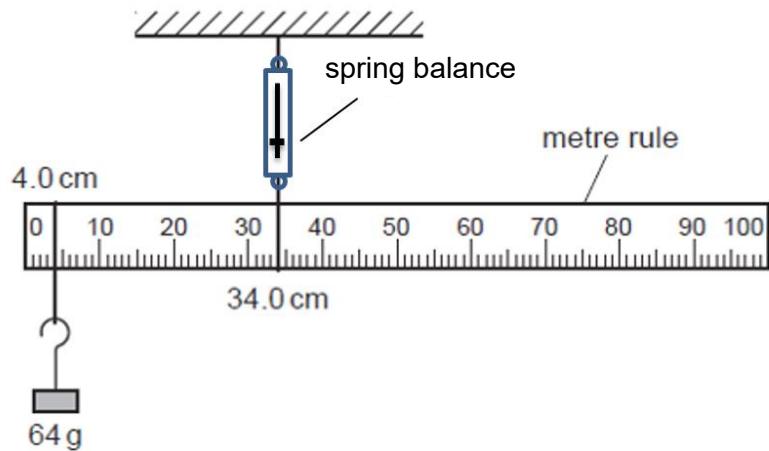


- 7 A non-uniform metre rule is pivoted at the 34.0 cm mark, as shown.



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