

- 11** Two objects of masses 5.0 kg and 8.0 kg are fixed on a horizontal circular platform 2.0 m and 6.0 m from the centre respectively.

When the platform is rotated with uniform circular motion, what is the ratio of the net force on the 5.0 kg mass to the 8.0 kg mass?

**A** 8:15

**B** 5:24

**C** 15:8

**D** 24:5