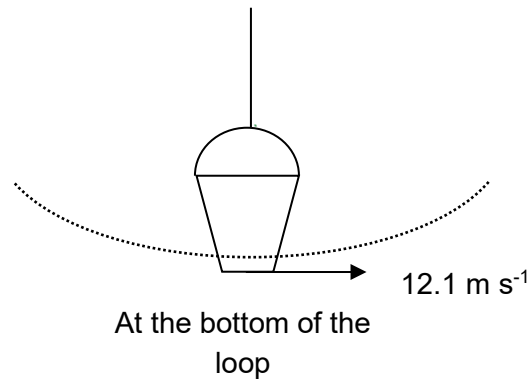10 A 1.2 kg bucket is held by a string and whirled in a vertical circle. The radius of the circle is 1.5 m. The speed of the bucket is 12.1 m s^{-1} at the bottom of the loop and subsequently, the bucket reached the top of the circle.

12.1 m s^{-1}

At the bottom of the loop

What is the difference in the tension in the string at these two positions?

A 58 N   B 71 N   C 129 N   D 187 N