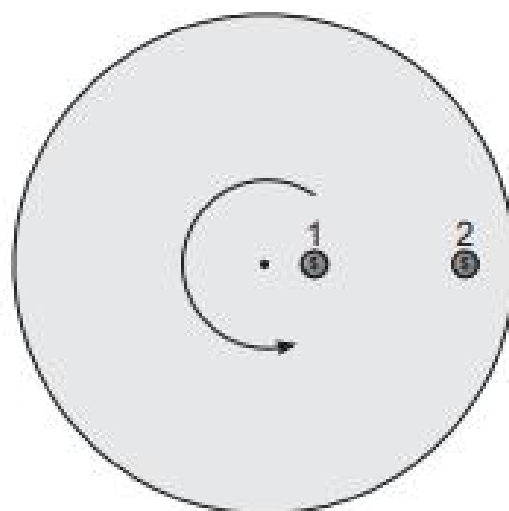


Question 6**(6 marks)**

Two identical 25.0 g coins are placed on a rotating disc, 0.30 m and 1.20 m respectively from the centre of the disc. The disc begins to rotate. When the frequency of rotation reaches 2.00 Hz, the outer coin flies off the disc. Calculate the frequency of rotation when the inner coin flies off.



Answer: _____ Hz