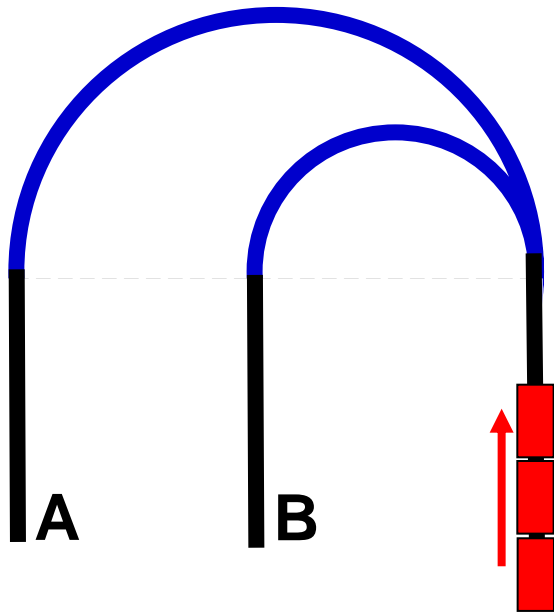# HITT quiz

There are 2 possible semi-circular turns for a train, with radii $r_A:r_B=2$. The train enters the turn A at speed v_A or the turn B at speed v_B so that $v_A:v_B=2$.

What is the ratio of centripetal accelerations experienced by passengers on such turns, $a_A:a_B=$?

(a) 4 $\quad$ (b) 2 $\quad$ (c) 1 $\quad$ (d) 0.5 $\quad$ (e) 0.25