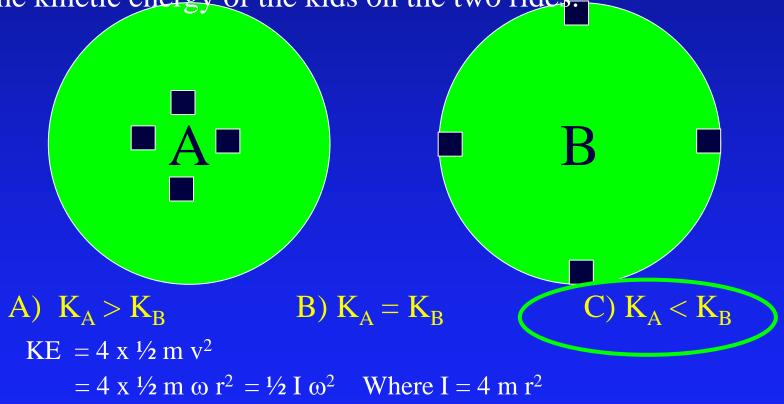
Merry Go Round

Four kids (mass m) are riding on a (light) merry-go-round rotating with angular velocity $\omega=3$ rad/s. In case A the kids are near the center (r=1.5 m), in case B they are near the edge (r=3 m). Compare the kinetic energy of the kids on the two rides.



Further mass is from axis of rotation, greater KE it has.

[strength contest]

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