

The Merry-Go-Round

	Trial 1 (outer horse)	Trial 2 (inner horse)
distance from center		
period of rotation		
1. your velocity		
2. Centripetal force acting on you		

3. What effect did changing your location have on centripetal force?

4. If you are near the center of the Merry-Go-Round, explain how you would throw a ball to a partner on the outside edge.

5. If the output of the engine is 25 hp, calculate the work required to turn the Merry-Go-Round once.