A child of mass 21 kg sits on a carassel. The child is 4.8 m from the center. The carousel volates at a constant speed and completes a volation every 5.9 seans.
What is the magnitude of the parallel force?
There is no parallel force.
What is the magnitude of the perpendicular force?
$ \vec{F}_{\perp} = \frac{mv^2}{r}$
$= \frac{m(\frac{d}{\xi})^2}{\Gamma}$
$=\frac{m(\frac{2\pi r}{t})^2}{r}$
$\frac{m4\pi^2\gamma^2}{\frac{1}{2}}$
$=\frac{4\pi^2mr^2}{t^2}\cdot\frac{1}{y}$
$=\frac{4\pi^2mr}{4^2}$
= 114.318 ksm S ²
What is the magnitude of the net ferce acting on the child?

A preton of	wors 1.7e-27 es and the	fellows the passing circle has	outh. It has a	constant 0.08m.
Zevo V	nerruse the spee	be of the parade of is constant.		ε?
	mv ² S.4e-1S tom 5 ²			