





A merry-go-round has 6' radius + is turning at 10 rev. How fast is a child on the edge moving
in $ft/sec$ ? $V = = = = re = rcu$
$V = r \cdot \frac{\partial}{\partial t} = \frac{b' \cdot 201}{min} = 12017 \text{ ff}$
120 II . 1 min = 211 ff = 6.28 fg
Top spinning at 85 <u>rev</u> . What is its angular sec. What is its angular Velocity?
$\omega = \frac{\Theta}{C} = \frac{85 \cdot 2\pi}{1} = (70\pi \text{ ref} \text{ set})$
Diameter = 4 in. Find Linear vel.
$V = r \cdot \omega = 2 \cdot 170\pi rev = 1070 in $