

Chapter 7 intro plus conversion:

1. Little Suzie pedals her bike at 45 rpm's (rev/min)

a) What is her frequency in standard units (rev/s)?

b) What is her period?

c) What is her velocity (pedaling) if the pedal has a radius of 25 cm?

d) What is her acceleration?

2. Little Freddy gets really upset and whirls his belt over his head in a horizontal circles at a rate of 75 rpm's?

a) What is his frequency in standard units? ...His period?

b) What is his velocity if the belt 76 cm long?

c) What is his acceleration?