

STANDING WAVES

Name: _____ Date: _____ Section: _____

Partner (s): _____

L = _____ m.

	Standing wave 1	Standing wave 2	Standing wave 3
Number of loops, n			
Total mass, m (kg)			
Tension in the string, F (N)			
Wavelength, λ (m)			
λ^2 (m ²)			
Wave velocity by $v = \lambda f$ (m/s)			
Wave velocity by $v = \sqrt{\frac{F}{\mu}}$ (m/s)			
% difference in velocities			