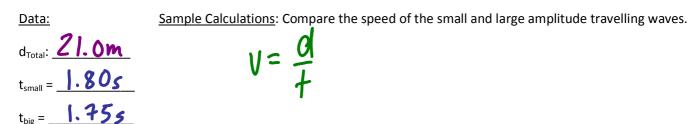
Slinkys!!! Minilab

Part 1 Prediction: How do you think the amplitude of the wave affects its speed?

Procedure:

travelling Wave d= 7.0m Bg timer

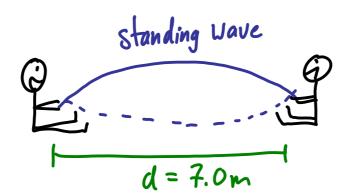


Discussion:			

How does the amplitude of the wave affect its speed? Explain.

Briefly describe the difference between a **travelling** wave (the type used in part 1) and a **standing** wave (part 2).

Part 2 <u>Prediction</u>: How do you think the frequency of the wave affects its speed? Procedure:



7.0m	# of Waves	λ (m)	Time for 10 cycles	Period (s)	Frequency (Hz)	Speed (m/s)	Sample Calculations:
	-12	(4.0r	.955		f=+	v=Xf	
	1	7.0m	5.9 4 s				
	3/2	4.67m	4.0)s				
0000	2	3.5m	2.995				

Discussion:

How does the frequency affect its speed? Explain.

Conclusion:

What does the speed of a wave depend on? (You may have to look this up on your own...)