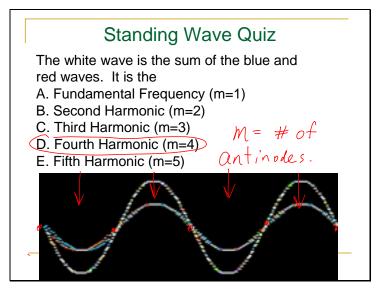
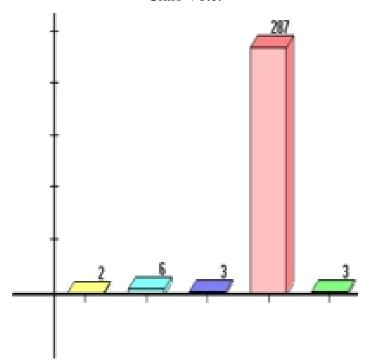
Quiz 1:

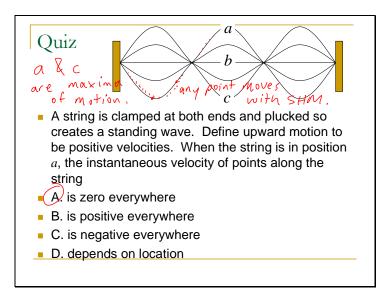


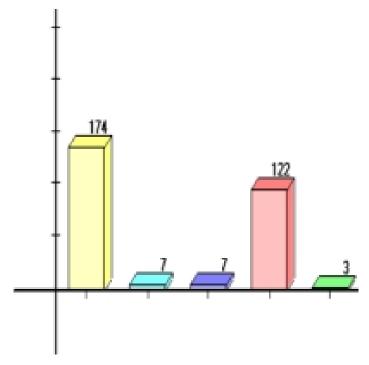
Class Vote:



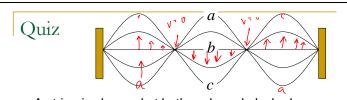
Great result!!! Not too surprising though, I guess, as this was a masteringphysics preclass quiz! (Correct Answer = D)

Quiz 2:

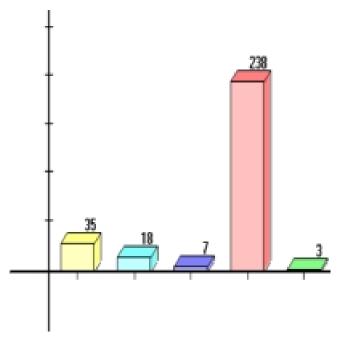




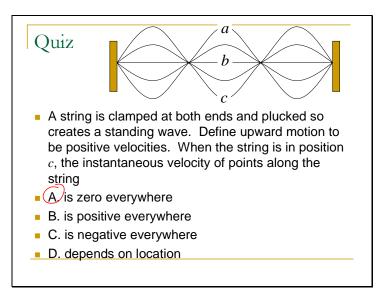
Perhaps it was not stated very clearly that a and c are instants when the string is at its maximum displacement from equilibrium. For sinusoidal wave motion, you can think of every point on the string as exhibiting vertical SHM. So when an oscillator is at its maximum displacement, its instantaneous velocity is zero (turn-around point). (**Correct answer = A**)

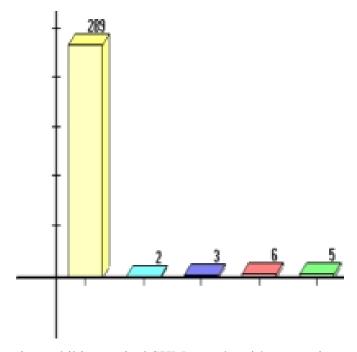


- A string is clamped at both ends and plucked so creates a standing wave. Define upward motion to be positive velocities. When the string is in position b, the instantaneous velocity of points along the string
- A. is zero everywhere
- B. is positive everywhere
- C. is negative everywhere
- D. depends on location

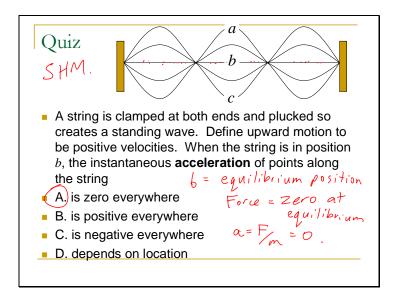


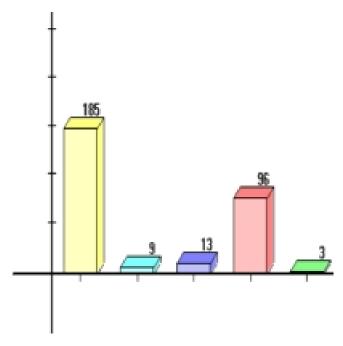
Every part of the string exhibits vertical SHM, so when it's at equilibrium (point b), it is moving at its maximum velocity, either up or down, depending on the location along the string. (Correct Answer = **D**)





Every part of the string exhibits vertical SHM, so when it's at maximum displacement (point a or c), it is momentarily stopped, with zero velocity. (**Correct Answer** = **A**)





Every part of the string exhibits vertical SHM, so when it's at equilibrium (point b), the net force on it is zero, and therefore its acceleration is also zero. (**Correct Answer = A**)