03-04	Power of a Pushup Lab Name:	
Objectives		
•	Find the power of a student when doing pushups.	
Materi	als	
•	Stopwatch	
•	Meter stick	
Proced	lure	
1.	Choose a group member to do pushups. They need to know their weight. Convert their weight to mass in kg. $m =$	
	kg	
2.	A person lifts approximately 65% of their mass when doing a pushup. How much mass will your group member be	
	lifting? <i>m</i> = kg	
3.	Measure the height of their shoulders at the lowest part of a pushup. $h1 = $ m	
4.	Measure the height of their shoulders at the highest part of a pushup. $h2 = $ m	
5.	What distance do the shoulders move during a pushup (just going up)? $x = $ m	
6.	How much work is done for one pushup? J	
7.	How much work is done for 10 pushups? J	

8. Time how long it takes your group member to do 10 pushups. t =______ s
9. Calculate the power of doing 10 pushups by your group member. P =______ W

10. Compare your result with other groups.