Name			Date	
Regents Physics Period			Forces 1D WS 4R Mr. Moy	
		Newton's 2nd a	·	
1.		P. Baecon applies a net force of 19. te of 4.82 m/s². Determine the mas	4 N to a wheel barrow causing it to accelerate s of the wheel barrow.	
2.	distan		deceleration from 48.1 m/s to 0 m/s over a . Assuming that Purley's mass is 70.0 kg, induring the crash.	
3.	2.00 × crane accele m/s.	$10^4 kg$, which is the equivalent mass lifts the whale shark off the ground.	in the world. Its mass can be as large as s of three average adult elephants. Suppose a The net holding the whale shark is steadily .5 seconds until the net reaches a speed of 1.0 whale shark.	
	b.	Calculate the acceleration of the w	hale shark.	
	C.	Calculate the net force acting on the	ne whale shark.	
	d.	Calculate the weight of the whale s	shark.	

e. Calculate the tension in the cable pulling the shark upwards.

4.	A baseball bat with a mass of 4.75 kg exerts a force of 20.0 N on a 0.350 jg baseball.			
	Find the resultant acceleration of each object.			
	a. bat			

b. ball

5. According to Newton's Third Law, if a car hits a garbage can, will they both experience the same force? Will they experience the same acceleration? Explain.