Name: _____ Period: ____

Forces

$$F = M \times A$$

No	Force	Mass	Acceleration
1.	20 N	10 kg	
2.		2 kg	3 m/s^2
3.	14 N	7 kg	
4.	3,000 N		6 m/s^2
5.		4 kg	3 m/s^2

6. A 1500 kg car is accelerated at the rate of 5 m/s2. What was the force applied? _____

7. A moving car of 1000 kg is being decelerated at -10 m/s^2. What was the force decelerating the car? _____

8. A 40 kg box is accelerating at 1 m/s^2, what was the applied force? _____

9. A 10 kg block has a force of 50 N acting on it. What is the acceleration produced? _____

10. If a 10 kg block has an applied force on it on 50 N but it experiences a frictional force of 10N opposing its motion, what is it acceleration? _____