

LESSON 2. NEWTON'S LAWS OF MOTION

HOMEWORK

1) Fill in the table with the missing values

	Net Force (N)	Mass (kg)	Acceleration (m/s^2)
1.	10	2	
2.	20	2	
3.	20	4	
4.		2	5
5.	10		10

2) Suppose that a sled is accelerating at a rate of 2 m/s^2 . If the net force is tripled and the mass is halved, then what is the new acceleration of the sled?

3) Suppose that a sled is accelerating at a rate of 2 m/s^2 . If the net force is tripled and the mass is doubled, then what is the new acceleration of the sled?

