

Quarter1 T/G/T Answers

1. Resistance to acceleration (or resistance to changing motion)
2. opposite
3. Increases
4. Add the forces together.
5. Newtons
6. Same as $F = m \cdot a$ Weight = mass * gravity
7. 0.5 m/s^2
8. The ball with the least mass will be driven back more than the other
9. An object with more mass requires more force to accelerate (or more mass = less acceleration with the same force)
10. The same
11. left
12. force pushing surfaces together and the type of surface. (weight is an acceptable force)
13. opposite
14. 200N
15. $60 \text{ kg} \cdot \text{m/s}$
16. -2.5 m/s^2
17. -2000N
18. gravity would be increased by 4x.
19. microwelds
20. -80 m/s
21. 30 m/s