

Name: \_\_\_\_\_

## Newton's Second Law Answers

1. False
2. True
3. D: 1 m/s/s
4. E: 0.5 m/s/s
5. C: Forces
6. C: Continues at the velocity it had when it encountered the second force
7. D: 1m/s/s
8. 12 000 N
9. 6 N
10. 1500 kg
11. 7 m/s/s
12. E: 300 N
13. 1800 N
14. A: 2.0 kg
15. A: Less
16. C: The one on the Moon
17. A: Mass
18. False
19. A: Twice as much
20. B: 4.5 N
21. False, it's the kilogram. Newton is for weight
22. A: Mass
23. B: The same
24. B: Weight
25. D: Not enough information to tell. However on Earth the dog would weigh 600 N
26. False
27. E: 13 kg
28. False, that would be weight