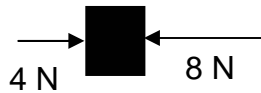


F=MA WORKSHEET

1. How much force is required to accelerate a 2 kg mass at 3 m/s^2 ?
2. Given a force of 100 N and an acceleration of 10 m/s^2 , what is the mass?
3. What is the acceleration of a 10 kg mass pushed by a 5 N force?
4. Given a force of 88 N and an acceleration of 4 m/s^2 , what is the mass?
5. How much force is required to accelerate a 12 kg mass at 5 m/s^2 ?
6. Given a force of 10 N and an acceleration of 5 m/s^2 , what is the mass?
7. How much force is required to accelerate a 5 kg mass at 20 m/s^2 ?
8. What is the acceleration of a 5 kg mass pushed by a 10 N force?
9. Given a force of 56 N and an acceleration of 7 m/s^2 , what is the mass?
10. How much force is required to accelerate an 8 kg mass at 5 m/s^2 ?
11. What is the acceleration of a 24 kg mass pushed by a 6 N force?
12. What is the acceleration of a 25 kg mass pushed by a 10 N force?
13. Given a force of 100 N and an acceleration of 5 m/s^2 , what is the mass?
14. How much force is required to accelerate a 50 kg mass at 2 m/s^2 ?
15. What is the acceleration of an 18 kg mass pushed by a 9 N force?
16. Find the acceleration of the 2 kg block in the following diagram.



17. Find the acceleration of the 1 kg block in the following diagram

