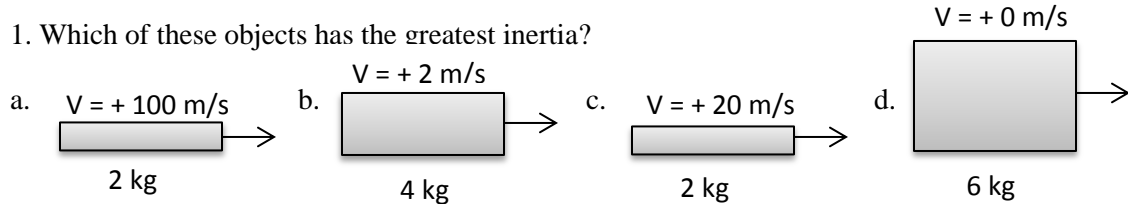


Name _____ Date _____ Period _____

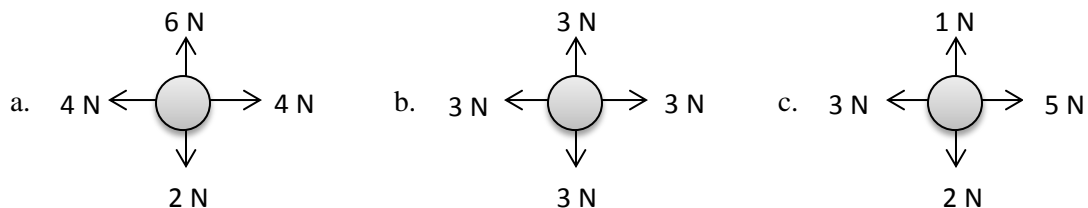
Newtonian Laws – Understanding Concepts

In the space to the left write the letter of the answer to each question

_____ 1. Which of these objects has the greatest inertia?



_____ 2. Which can be moving with uniform motion in a straight line if the only forces acting are these shown in the diagram?

_____ 3. A certain force F gives a mass M an acceleration a . Therefore, force F will give a mass of $2M$ an acceleration of...

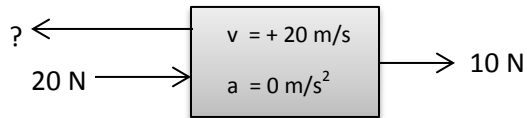
- a. $2a$ b. a c. $a/2$ d. $a/4$

_____ 4. Which of the following objects is more massive?



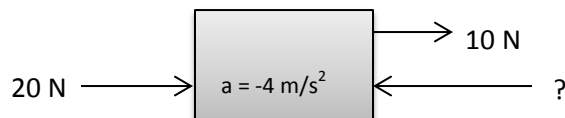
_____ 5. What is the magnitude of the missing force on the 5 kg figure below?

- a. 10 N b. 20 N c. 30 N d. 40 N



_____ 6. What is the missing force on the 5 kg figure below?

- a. 10 N b. 30 N c. 50 N d. 70 N



_____ 7. What is the magnitude of the normal force on the 5 kg figure below?

- a. 5 N b. 10 N c. 50 N d. 100 N

