

Warm
Up

The force applied by each boy (A,B,C) is equal. The masses of the objects they are pushing are indicated. Based on this information, answer the questions below.



- 1) The boy whose object accelerates most is ____.
- 2) Assuming a force of 50 newtons is applied by each boy, what is the acceleration of object A? ____ B? ____ C?
- 3) Suppose the race ends in a tie and all objects have the same acceleration. This means that the force applied to each object is different. If the acceleration is 50 m/s, what force is applied by A? ____ B? ____ C? ____