

Topic 2

Lessons 1, 2 and 4

1. What is the difference between a contact force and a non-contact force?
2. Four boys push on the front, back and sides of a shopping cart. The boys in the front and on the two sides push with a force of 60N. The boy in the back pushes with a force of 50N. Which way does the cart move?
3. What three changes in motion show that an object is accelerating?
4. A student graphed distance vs. time for an object that moves 14m every s. What is the average speed of the object? Draw the graph below.
5. What two factor affect gravity?