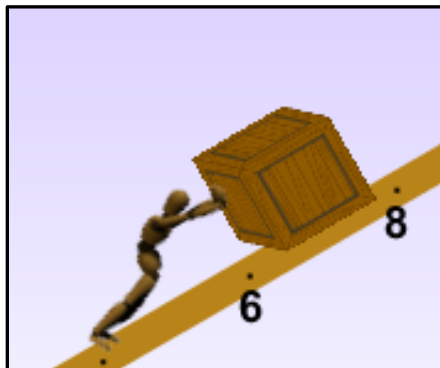


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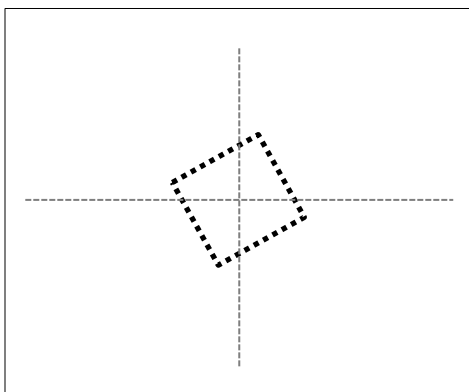
Ramp Forces And Motion Questions

1. Jose is pushing a crate up a wooden ramp as shown in the picture below:



In words, name the forces acting on the crate

2. In the diagram below, draw arrows to represent the forces on the crate, and label each arrow



3. How would each force change if Jose were the crate up a *steeper ramp*? For each force say if it would get bigger, smaller, or not change.

4. How would each force change if Jose were pushing on a *much heavier object*? For each force say if it would get bigger, smaller, or not change.

5. How does the *motion* of the object with more mass compare with the crate if Jose pushes the crate and the heavier object with the *same force*?

6. How *useful for your learning* was this activity, compared to other science class activities? (circle)

More useful

About the same

Less useful

How *enjoyable* was this science class activity, compared to other science class activities? (circle)

More enjoyable

About the same

Less enjoyable

Why did you or did you not find it useful or enjoyable?
