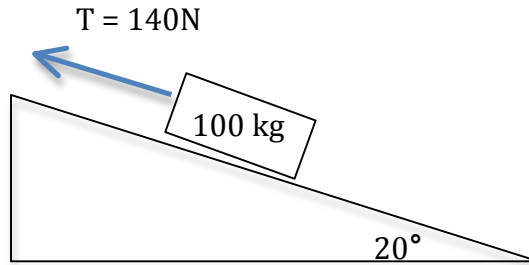
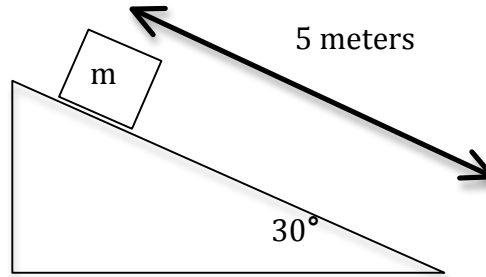


Inclines and μ

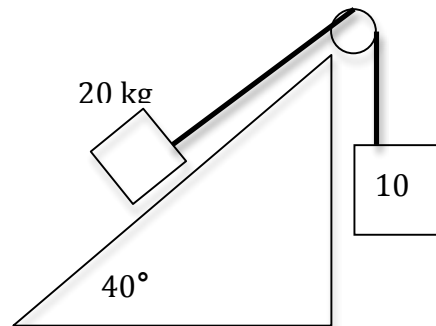
1. Find acceleration



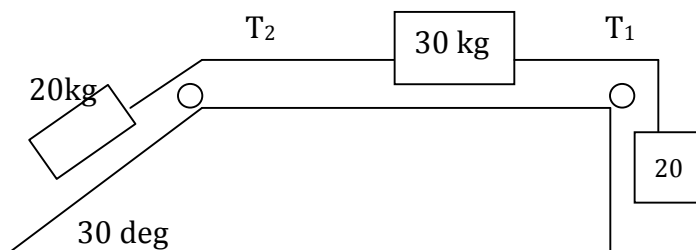
2. Find the time to reach the bottom of the incline and the speed at the bottom.



3. Find acceleration and tension.



4. Find Tensions



5. A boy pushes on a 20 kg box with a force of 80 N. If $\mu = 0.3$, find the acceleration.
6. A boy pushes on a 20 kg box with a force of 100 N and the acceleration is 3 m/s^2 . Find μ .
7. A 10 kg box is moving at 6 m/s then skids to a stop over 10 m. Find μ .
8. Repeat #4 but now μ between the 30 kg box and the level surface is 0.1.