

4. What is the weight (F_g) of a 31.2 kg object on Earth's surface?

5. a 8.2 kg object is resting on a horizontal surface. What is the normal force acting on the object?

6. A 8.2 kg object is pulled along a horizontal surface at a constant speed. If the coefficient of friction is 0.25, what is the force of friction?

7. a 7.50 kg object is pulled along a horizontal surface by a force of 24.0 N. If the acceleration of the object is 1.15 m/s^2 , what is the coefficient of friction between the surfaces?