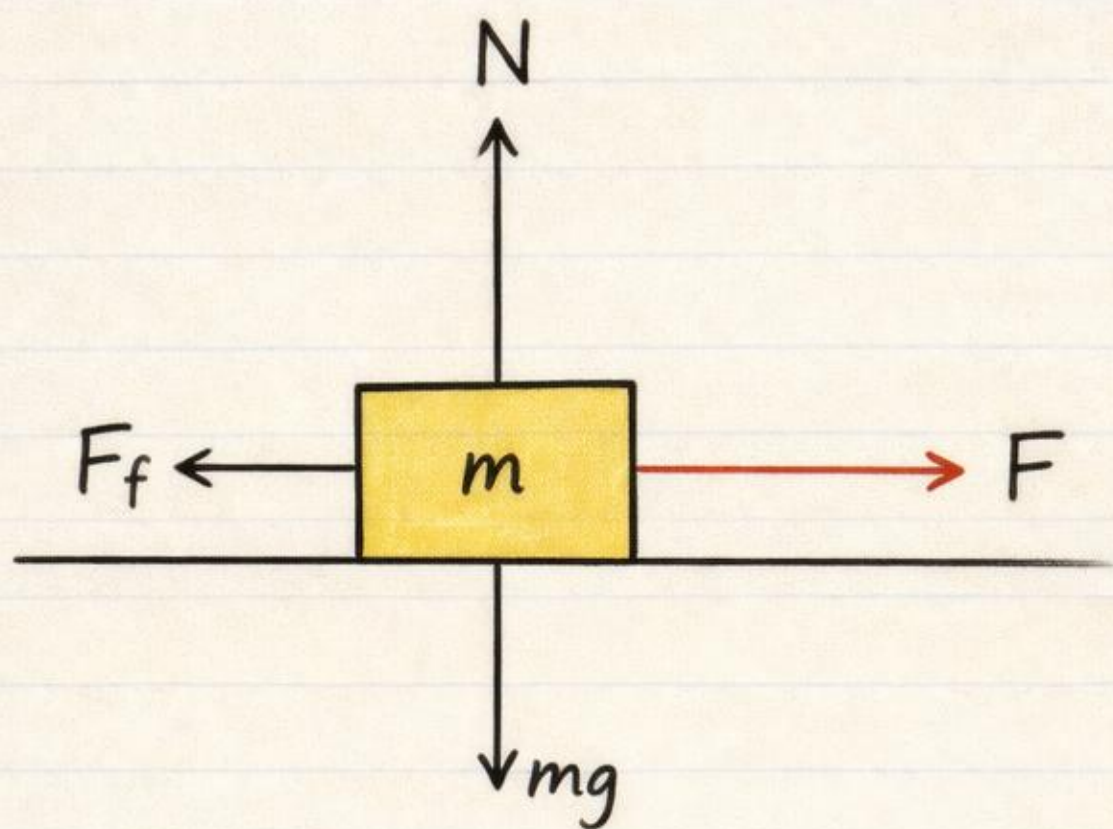


Free Body Diagram

A free body diagram of a block on a flat surface being pulled to the right by a horizontal force is shown below.



N represents the normal force, F_f is the frictional force, F is the applied force, and mg is the gravitational force.