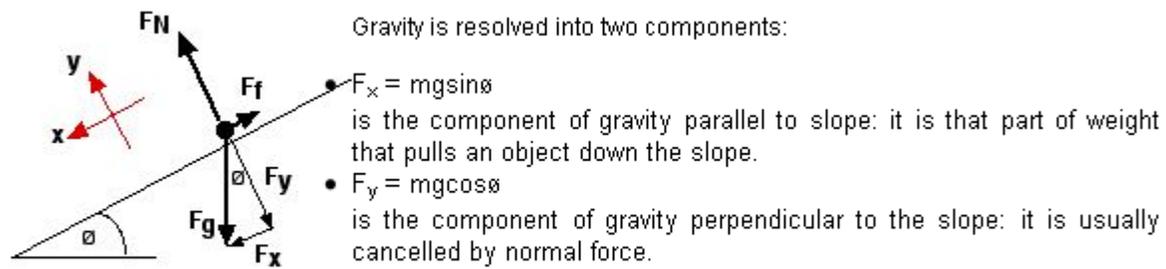


In problems involving **slope** the usual approach is to use a different frame of reference. Since motion is parallel to the slope, directions are specified as parallel to the slope or perpendicular to the slope.



Since normal force in most problems is equal in magnitude to $mg \cos \theta$, then friction = $(\mu N) = \mu mg \cos \theta$.
That is, $\mu mg \cos \theta =$ friction in most slope problems.