

## Coefficients of Friction

A 24 kg box is at rest on a horizontal floor and requires a 75 N force to set it in motion. What is the coefficient of friction between the box and the floor?

A 25 kg box at rest requires a 165 N force to set it in motion. Once in motion, it requires a 127 N force to keep it in motion.

What is the coefficient of static friction between the box and floor?

What is the coefficient of kinetic friction between the box and floor?