## Answer on Question #40931, Physics, Mechanics | Kinematics | Dynamics

## **Question:**

The coefficient of kinetic friction:

- A. is in the direction of the frictional force
- B. is in the direction of the normal force
- C. is the ratio of force to area
- D. can have units of Newtons
- E. is none of the above

## **Answer:**

The coefficient of kinetic friction is defined as the ratio of force of friction to the normal force,

$$\mu = \frac{F}{N}$$

The coefficient of kinetic friction is scalar quantity that are fully described by a magnitude and haven't direction. And it can't have dimension of force.

Answer: E. is none of the above

http://www.AssignmentExpert.com/