

## Ponderable

- A 2.0 kg wood box slides down a vertical wood wall at a constant speed while you push upward on it at a  $45^\circ$  angle. For wood on wood, the coefficient of kinetic friction is  $\mu_k = 0.20$ . What is  $F_{\text{push}}$ ?
- What magnitude of force should you apply to cause the box to slide down with a  $0.1 g$  acceleration?

