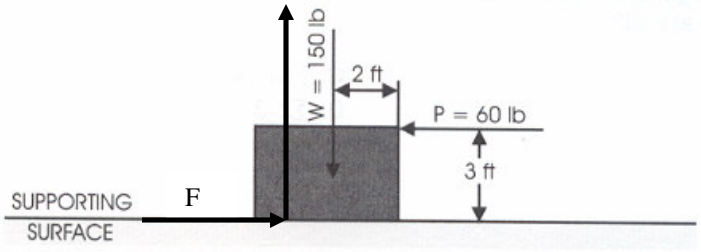
As indicated in Examination Figure 5, a body having the shape of a rectangular prism is supported on a horizontal surface. The weight *W* of the body is 150 lb, and the body is acted upon by a horizontal force *P* whose magnitude and location are as shown. If the magnitude of the friction force is just sufficient to prevent sliding of the body along the supporting surface, the horizontal distance between the line of action of the weight of the body and the line of action of the total vertical force *N* exerted on the body by the supporting surface would be

A. 1.00 ft.
B. 1.20 ft.
C. 1.50 ft.
D. 2.00 ft.



Examination Figure 5