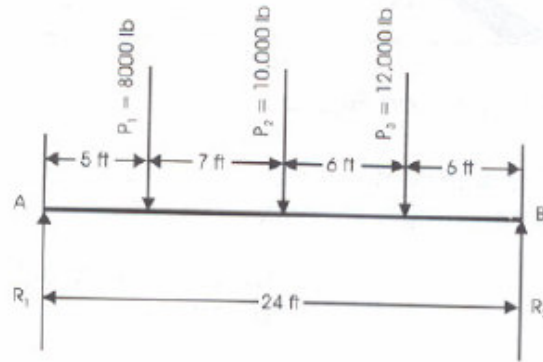


The horizontal beam represented in Examination Figure 6 carries three loads P_1 , P_2 , and P_3 which act vertically downward and have the magnitudes and positions indicated. The beam rests on two supports at A and B which are so located that the horizontal distance between the lines of action of the reactions R_1 and R_2 is 24 ft. The magnitude of the reaction R_1 is

- A. 14,330 lb.
- B. 14,780 lb.
- C. 15,220 lb.
- D. 15,670 lb.



Examination Figure 6