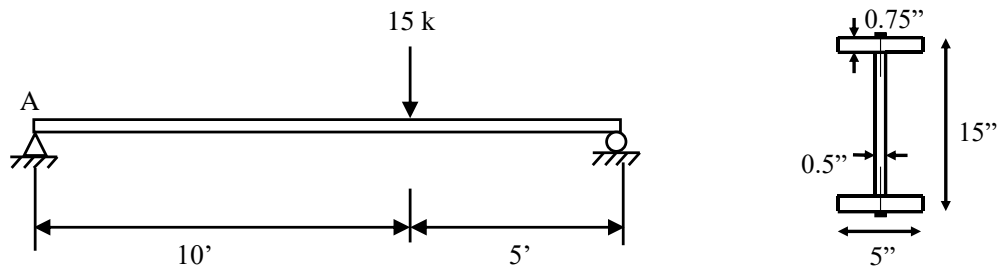
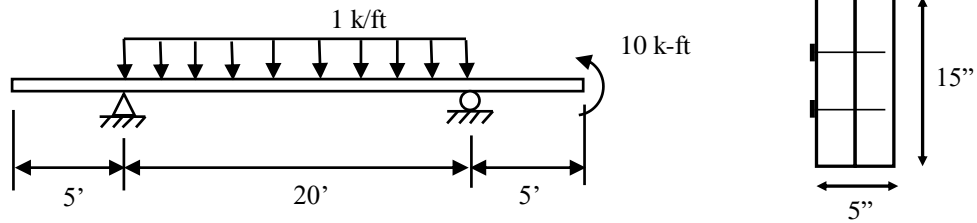


1. Define the following terms: a) shear flow and b) built-up members. Why do we calculate shear flow for built-up members?
2. Determine the maximum allowable spacing of the nails along the length of the beam used to hold the built-up sections together if each nail can resist 400 lbs for the problems below.



3. Determine the shear force in each nail if the nails are spaced 12 inches apart along the length of the beams below.

