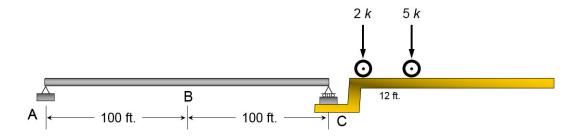
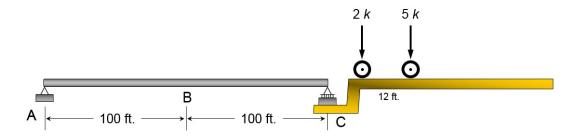
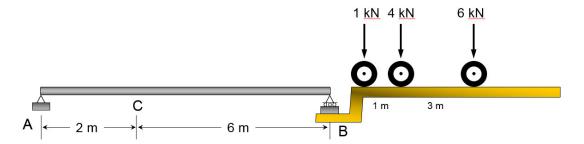
Example 6c-1: Determine the maximum moment created at point B in the beam below due to the wheel loads of a moving truck traveling from right to left.



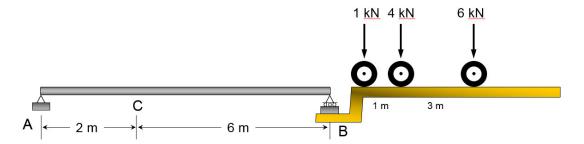
Example 6c-1: Determine the maximum moment created at point B in the beam below due to the wheel loads of a moving truck traveling from right to left.



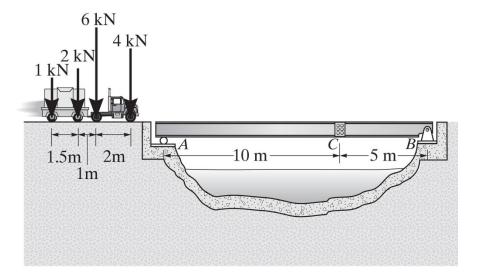
Example 6c-2: Determine the maximum shear created at point C in the beam below due to the wheel loads of a moving truck traveling from right to left.



Example 6c-2: Determine the maximum shear created at point C in the beam below due to the wheel loads of a moving truck traveling from right to left.



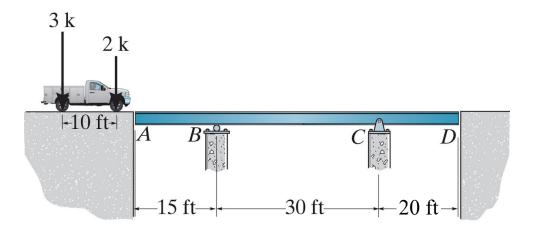
Example 6c-3: The truck and trailer exert the wheel reactions shown on the deck of the girde bridge. Determine the largest moment it exerts in the splice at *C*. Assume the truck travels in either direction along the center of the deck, transferring half of the load shown to each of the two side girders. Assume the splice is a fixed connection and, like the girder, can support both shear and moment.



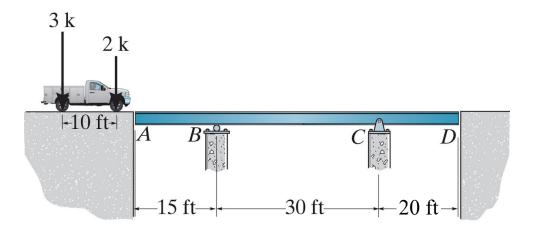
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Example 6c-3: The truck and trailer exert the wheel reactions shown on the deck of the girde bridge. Determine the largest moment it exerts in the splice at *C*. Assume the truck travels in either direction along the center of the deck, transferring half of the load shown to each of the two side girders. Assume the splice is a fixed connection and, like the girder, can support both shear and moment.

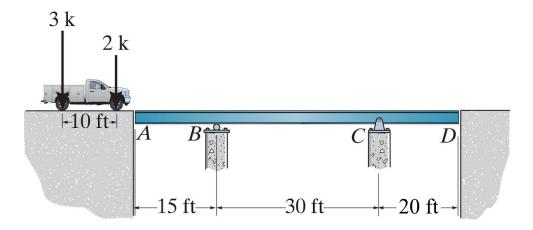
Example 6c-4: Determine the maximum shear created at mid-point *BC* span in the beam below due to the wheel loads of a moving truck.



Example 6c-4: Determine the maximum shear created at mid-point *BC* span in the beam below due to the wheel loads of a moving truck.



Example 6c-5: Determine the maximum moment created at mid-point *BC* span in the beam below due to the wheel loads of a moving truck.



Example 6c-5: Determine the maximum moment created at mid-point *BC* span in the beam below due to the wheel loads of a moving truck.

