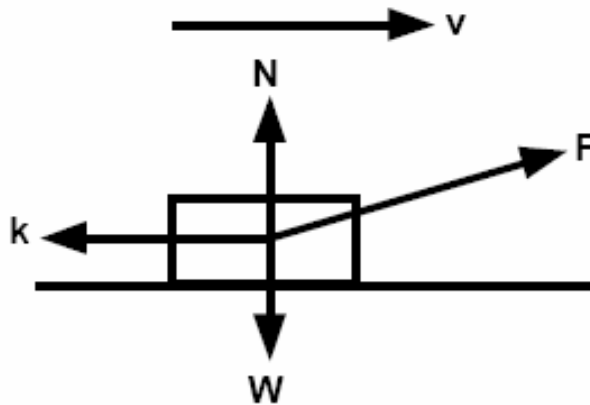


A person pulls a block across a rough horizontal surface at a **constant speed** by applying a force F . The arrows correctly indicate the directions, but not necessarily the magnitudes of the forces on the block.

Which of the following relations among the force magnitudes of W , k , N , and F **must be true**?



1. $F = k$ and $N = W$
2. $F > k$ and $N < W$
3. $F = k$ and $N > W$
4. $F > k$ and $N = W$
5. None of the above choices