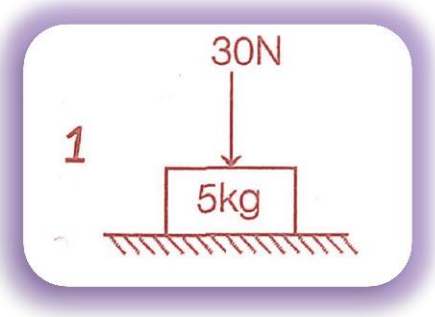
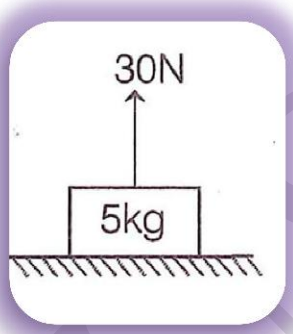
NORMAL FORCE

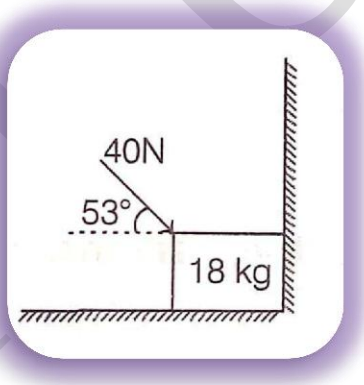
1. **Make free body diagram of each block and Earth. Also find normal forces at all contacts.**



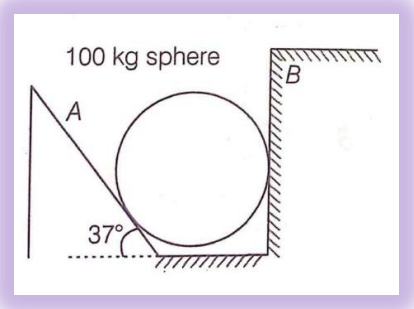
2. **Make free body diagram of each block and Earth. Also find normal forces at all contacts.**



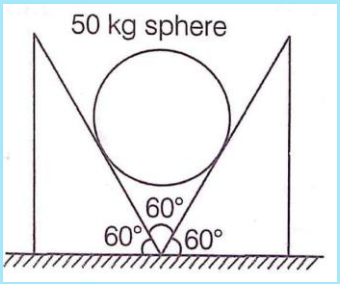
3. **The following systems are in equilibrium. Find normal forces at all contacts.**



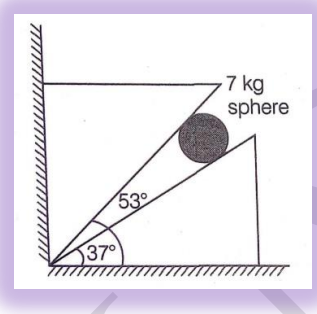
4. **The following systems are in equilibrium. Find normal forces at all contacts.**



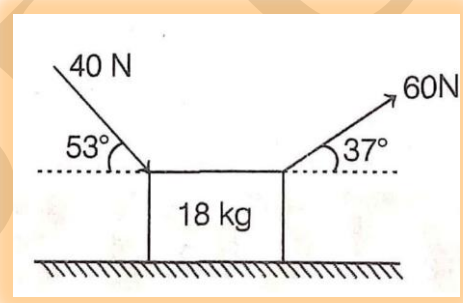
5. The following systems are in equilibrium. Find normal forces at all contacts.



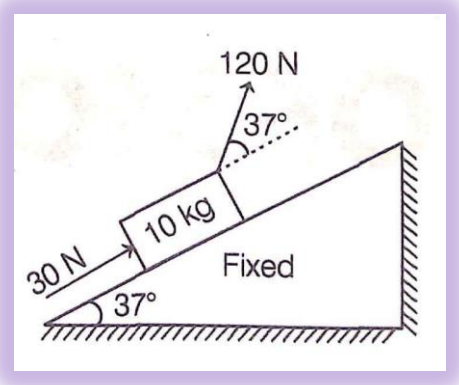
6. The following systems are in equilibrium. Find normal forces at all contacts.



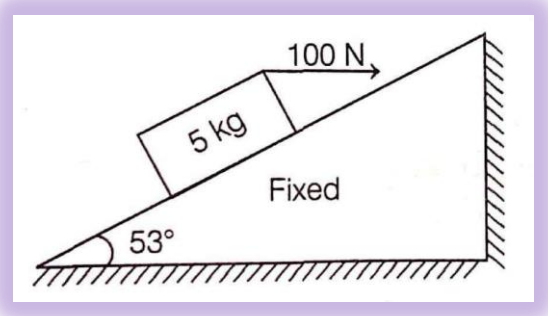
7. Find acceleration and normal forces.



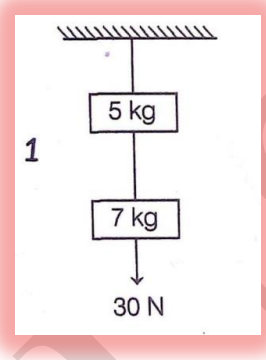
8. Find acceleration and normal forces.



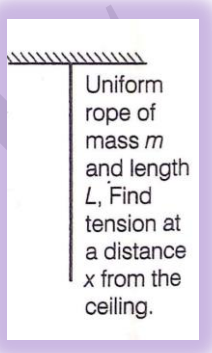
9. Find acceleration and normal forces.



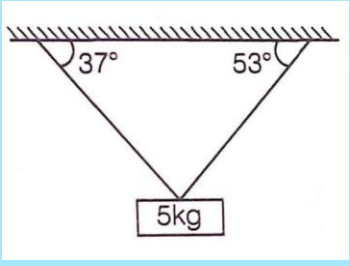
10. The following systems are in equilibrium. Strings are massless unless mentioned. Find tension in all strings.



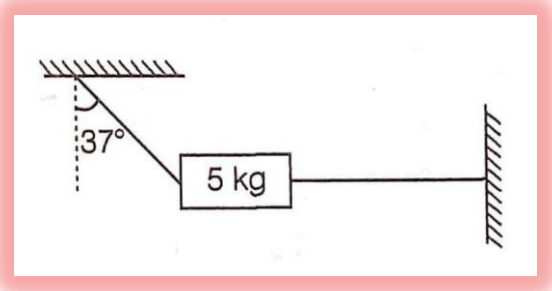
11. The following systems are in equilibrium. Strings are massless unless mentioned. Find tension in all strings.



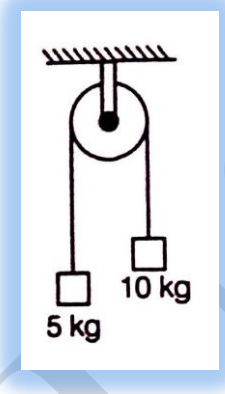
12. The following systems are in equilibrium. Strings are massless unless mentioned. Find tension in all strings.



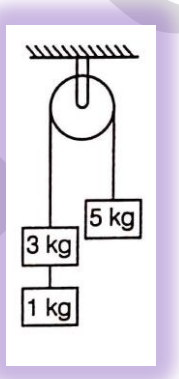
13. The following systems are in equilibrium. Strings are massless unless mentioned. Find tension in all strings.



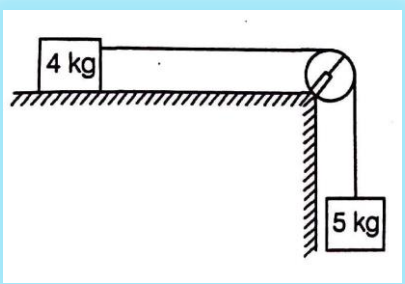
14. All strings are massless and pulleys are fixed and smooth. Find acceleration of blocks.



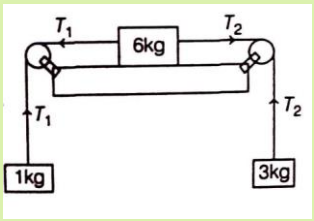
15. All strings are massless and pulleys are fixed and smooth. Find acceleration of blocks.



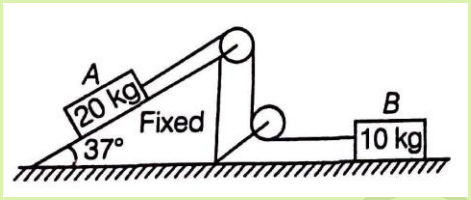
16. All strings are massless and pulleys are fixed and smooth. Find acceleration of blocks.



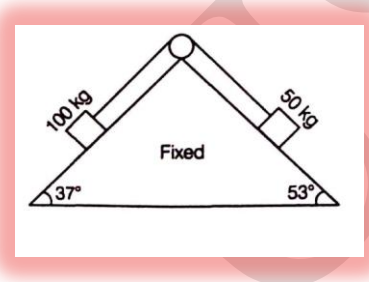
17. All strings are massless and pulleys are fixed and smooth. Find acceleration of blocks.



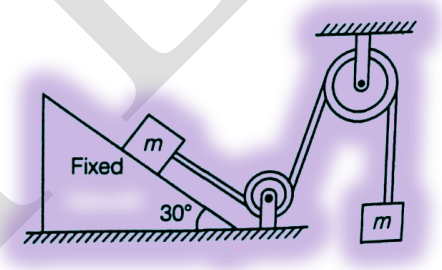
18. All strings are massless and pulleys are fixed and smooth. Find acceleration of blocks.



19. All strings are massless and pulleys are fixed and smooth. Find acceleration of blocks.



20. All strings are massless and pulleys are fixed and smooth. Find acceleration of blocks.



21. All strings are massless and pulleys are fixed and smooth. Find acceleration of blocks.