Problem : 1

Is $\langle o, + \rangle$ (the odd integers under +) an abelian group ?

$\Rightarrow$ not a group

Because a group under addition must be closed under the operation. Sum of two odd integers in even, so closure fails : eg. $1, 3 \in O$ but $1+3 = 4 \notin O$. Hence $\langle o, + \rangle$ in not even a group. So it cannot be an abelian group.