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Lagrange's theorem

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 $\begin{tabular}{lll} Related topic & ProofOfFermatsLittleTheoremUsingLagrangesTheorem \\ Related topic & ProofOfEulerFermatTheoremUsingLagrangesTheorem \\ \end{tabular}$

Let G be a finite group and let H be a subgroup of G. Then the order of H divides the order of G.