Triangle $ABC$ has $AC = 9$, $AB = 12$, and $BC = 15$. The points $M$ and $N$ are the midpoints of the segments $AC$ and $AB$, respectively. A point $L$ is constructed on segment $BC$, such that $LC = 3$.

Segments $BM$ and $CN$ intersect at $O$, and segment $AL$ intersects $BM$ and $CN$ at $P$ and $Q$, respectively.

What is the area of triangle $OPQ$?