In spite of the shape of the frame (dodecagon) the pool looks like a cylinder.

\[ \text{Volume} = \pi r^2 h \]
\[ = \pi (6.12)^2 \times 30 \text{ in}^3 \]
\[ \approx 488,580 \text{ in}^3 \]

A 1-liter bottle has 61 in\(^3\) (from Google) so a 2-liter bottle has 122 in\(^3\).

Total bottles needed = \( \frac{\text{Volume pool}}{\text{Volume bottle}} \)

\[ \approx 4,000 \text{ bottles} \]