

The Eisenstein integers are of the form $a + b\omega$, where $\omega = \frac{-1+i\sqrt{3}}{2}$. They form a triangular lattice and the ring $\mathbb{Z}[\omega]$.

A triangle can be represented as the set of three Eisenstein integers which surround its center. E.g., $\{0, 1, 1 + \omega\}$ corresponds to the triangle highlighted orange below.

