For $n = 1$, rotation does not preserve the parent lattice or reflection.

For $n = 2$, rotation preserves the parent lattice or reflection.

For $n = 3$, rotation does not preserve the parent lattice or reflection.

For $n = 4$, rotation preserves the parent lattice or reflection.

For $n = 5$, rotation preserves the parent lattice or reflection.

For $n = 6$, rotation preserves the parent lattice or reflection.

For $n = 7$, rotation preserves the parent lattice or reflection.
Some of the sublattices with $n = 42$

rotation not preserving the parent lattice
or reflection

rotation not preserving the parent lattice

reflection not preserving the parent lattice

reflection not preserving the parent lattice

reflection not preserving the parent lattice

reflection not preserving the parent lattice