There are four properties of unit cells that may be generalized.

- 1. The opposite sides of a unit cell are parallel.
- 2. Each unit cell contains an integer number of structural units (circles, atoms, ions, etc.)- in this case, one.
- 3. The unit cells fit together so as to fill space completely, and they are identical to one another.
- 4. The corners of the unit cell can be anywhere.