## Definition: Least Common Multiple

Given two numbers  $a, b \in \mathbb{Z}$  the least common multiple of them is a number lcm (a, b) such that

- a | lcm (a, b)
  b | lcm (a, b)
- b | lcm (a, b)
  And for any other k ∈ Z where k < lcm (a, b), then</li>