Relatively prime

The number a is *relatively prime* to b if a has no common factors with b, other than 1.

There are lots of ways of expressing this:

- a is prime relative to b.
- a is mutually prime to b.
- a is coprime to b.
- $\text{hcf}(a, b) = 1$.
- $a \perp b$.

For example, 14 and 15 are coprime to each other as $14 = 2 \times 7$, $15 = 3 \times 5$—that is, they have no common factors.

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