

## The Standard TLA<sup>+</sup> Arithmetic Modules

Mathematicians often use  $+$  to mean something other than addition of numbers. For example,  $+$  is generally used to denote the group operation of an arbitrary Abelian group. To allow you to use such mathematical notation in your specs, operators like  $+$  are not built into TLA<sup>+</sup>; they must be declared or defined. You will almost always want them to have their usual meanings.

There are three standard TLA<sup>+</sup> modules that define ordinary arithmetic operators. You will most often want to import the *Integers* module. [Section 13.1](#) <sup>□</sup> describes all the operators that these modules define.

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