

#### [10.4] Add units to undefined variables

Units can be applied to variables and expressions, as well as to numbers. For example, to create a variable  $tf$  with units of  $^{\circ}\text{F}$ , use

```
tf*_°F
```

The important point is to explicitly multiply the variable name by the units. This is not necessary when applying units to numbers. A *domain error* message results if you do not use the explicit multiplication.

The example above gives different results, depending on the value of  $tf$ :

If $tf$ is undefined:	$tf \cdot \text{ }^{\circ}\text{F}$
If $tf$ is a number, like 12:	$12 \cdot \text{ }^{\circ}\text{F}$
If $tf$ is another variable name, like $tf2$ :	$tf2 \cdot \text{ }^{\circ}\text{F}$