

Traditional generic arithmetic in Scheme

```
(+ 1 2 3)          ; Exact Integer  
#| 6 |#
```

```
(+ 1 (/ 2 3))      ; Exact Rational  
#| 5/3 |#
```

```
(+ 1 (sqrt 2))     ; Inexact Real  
#| 2.414213562373095 |#
```

```
(+ 1 (sqrt -2))    ; Inexact Complex  
#| 1+1.4142135623730951i |#
```

```
(+ 1 (sqrt -4))    ; Exact Complex  
#| 1+2i |#
```