The following opcodes are used for addition:

- ADDI Add Signed Integer
- ADDU Add Unsigned Integer
- ADDF Add Floating Point

ADDI — Add Signed Integer {#ADDI}

```
L2 = L2 + <signed_imm>
L2 = L2 + <reg_val>
L2 = L2 + <const>
```

=== "ADDI Example"

```
```linenums="1" hl_lines="1 3 5 7"
; imm +ve
 ADDI 1
; imm -ve
 ADDI -123
; reg val
 ADDI val(QT)
; const
 ADDI SOME_CONST_VAL
```

#### === "ADDI Properties"

# ADDU — Add Unsigned Integer {#ADDU}

```
L3 = L3 + <unsigned_imm>
```

```
L3 = L3 + <reg_val>
L3 = L3 + <const>
```

## === "ADDU Example"

```
```linenums="1" hl_lines="1 3 5"
; imm +ve
    ADDU    1
; reg val
    ADDU    val(QT)
; const
    ADDU    SOME_CONST_VAL
```
```

#### === "ADDU Properties"

## ADDF — *Add Float value* {#ADDF}

```
L1 = L1 + <float>
L1 = L1 + <reg_val>
L1 = L1 + <const>
```

#### === "ADDF Example"

```
'``linenums="1" hl_lines="1 3 5"
; imm float
 ADDF 3.14
; reg val
 ADDF val(QT)
; const
 ADDF SOME_CONST_VAL
```

# === "ADDF Properties"

| 0pcode       | 23                 |  |
|--------------|--------------------|--|
| Туре         | Arithmetic         |  |
| Operand Type | 64-bit float value |  |
| Destination  | L1 (implicit)      |  |