

This section describes the available arithmetic **opcodes/mnemonics** and their corresponding operations.

All arithmetic instructions accept **only a single operand**.
The **other operand**, as well as the **destination**, is taken from one of the **Link registers**:
L0, L1, L2, L3.

🔗 See: [Register Reference – Link Registers](#)

1234 Addition

The following opcodes are used for **addition**:

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

??? abstract "ADDI — *Add Signed Integer*"

```
=== "Properties"

| Property          | Value                                     |
|-----|-----|
| **Opcode**      | 13                                       |
| **Type**        | Arithmetic                             |
| **Operand Type**| Signed 64-bit integer                 |
| **Destination**| `L2` (implicit)                       |

=== "Algorithm"

...
L2 = L2 + <signed_imm>
...

=== "Example"

...
    ADDI 1
...
```

◆ **ADDU** — Add Unsigned Integer

...

◆ **ADDF** — Add Floating Point

Opcode	Code	Operand Count	Opernads	Description
SUBI				
MULI				
DIVI				
MODI				
ADDU				
SUBU				
MULU				
DIVU				
MODU				
ADDF				
SUBF				
MULF				
DIVF				