value
3

't3'

3.0

Type
int
str
float

1.23 = 123.0

16 quintillion

type Cast

int("30") → 30

str (3.1400) → "3.14"

float (23) → 23.0
Variable

\[ x = \_
\]

\[ x = 0.1 \]

\[ y = x \]

\[ x = y + x \]

\[ y = "hi" \]
Operators

```
// h + "i"

"x" * 3
```

```
1 + 2  →  3
1.8 + 2.5 → 4.0

1/2 → 0.5
4/2 → 2.0

18 % 7 → 4

2**3 → 2³ → 8

18//7 → 2
```
Type kind of thing

Variable name ~ box to store (value, type) pairs

Operator changes values (combines math, ...)

Expression $\Rightarrow$ bit of code that results in value

3

3 + 4 $\quad \text{int} (\text{sfr}(x) \times 4)$