

## Assignment tips

- fraction simplification
  - implement easy reduction rules first
- example `do_add` in `examples/c++/fractions/sfract.cc`
  - see if you can write `do_sub` using similar rules
- now try implementing `do_mult`
  - and now `do_div`
- read the comments to `do_add` and see the rules employed

## Hints

```

x + 0 -> x
0 + x -> x
x + x -> 2 * x

x - 0 -> x
0 - x -> x
x - x -> 0

```

## Hints

```

x * 1 -> x
x * 0 -> 0
1 * x -> x
0 * x -> 0
x * x -> x^2

etc for /

```