

# Frackable

Vulgar Fractions

v0.1.1

2024-09-26

Unlicense

James R. SWIFT

<https://www.github.com/jamesrswift/frackable>

- `frackable()`
- `generator()`

## frackable

Create vulgar fractions using unicode

```
#frackable(1, 2)
#frackable(1, 3)
#frackable(9, 16)
#frackable(31, 32)
#frackable(0, "000")
#frackable(whole: 9, 3, 4)
```

$$\frac{1}{2} \quad \frac{1}{3} \quad \frac{9}{16} \quad \frac{31}{32} \quad \frac{0}{000} \quad 9\frac{3}{4}$$

## Parameters

```
frackable(
    numerator: integer string,
    denominator: integer string,
    whole: integer string
) -> content
```

**numerator**    integer or string

The top part of the fraction.

**denominator**    integer or string

The bottom part of the fraction.

**whole**    integer or string

Optional whole number to precede the vulgar fraction, making mixed fraction.

Default: **none**

## generator

Returns a function having the same signature as `generator`, to be used for typesetting vulgar fractions within fonts that do not support the `frac` feature. Default values are chosen for Linux Libertine font. Can be used to display arbitrary content as a vulgar fraction, rather than just integers or interger-like strings.

## Parameters

```
generator(
    font-size: length,
    shift-numerator: length,
    shift-denominator: length
)
```

**font-size** length

Font size with which to display numerator and denominator. Best practice is to use em units.

Default: 0.5em

**shift-numerator** length

Amount of vertical shift to apply to numerator. Best practice is to use em units

Default: -0.3em

**shift-denominator** length

Amount of vertical shift to apply to denominator. Best practice is to use em units

Default: 0.05em