

# Frackable

Vulgar Fractions

v0.2.0

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<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)
```

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

## 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 `frackable`, 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 strings as a vulgar fraction, rather than just integers or interger-like strings.

```
#set text(font: "Calibri")
#let my-frackable = generator(
    shift-numerator-x: -0.1em,
    shift-denominator-x: -0.1em,
)

#my-frackable(1, 2)
#my-frackable(1, 3)
#my-frackable(3, 4, whole: 9)
#my-frackable(0, "000")
```

$\frac{1}{2}$   $\frac{1}{3}$   $9\frac{3}{4}$   $\frac{0}{000}$

## Parameters

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

**font-size**    length

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

Default: 0.55em

**shift-numerator-x**    length

Amount of horizontal space **between slash and numerator**. Best practice is to use em units.

Default: -0em

**shift-numerator-y**    length

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

Default: -0.6em

**shift-denominator-x**    length

Amount of horizontal space **between slash and denominator**. Best practice is to use em units.

Default: 0em

**shift-denominator-y**    length

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

Default: 0.05em