Fraction (N/M)

Simple fraction like 1/2, 3/4, 22/7.

```
^-?\d+\/\d+$
```

Token-by-token breakdown

Token	Meaning
`^`	start of string (or line in multiline mode)
`-?`	optional (zero or one): the literal “-”
`\d+`	one or more: digit (0–9)
`\/`	literal “/”
`\d+`	one or more: digit (0–9)
`$`	end of string (or line in multiline mode)

Quick usage in 7 languages

JavaScript

```
const re = /^-?\d+\\/\d+$/;
re.test(value);
```

Python

```
import re
re.match(r"^-?\d+\/\d+$", value)
```

Java

```
Pattern.compile("^-?\\d+\\/\\d+$").matcher(value).matches();
```

C# / .NET

```
Regex.IsMatch(value, @"^-?\d+\/\d+$");
```

Go

```
regexp.MustCompile(`^-?\d+\/\d+$`).MatchString(value)
```

Ruby

```
/^-?\d+\\/\d+$/.match?(value)
```

PHP

```
preg_match('~^-?\d+\/\d+$~', $value);
```

Common pitfalls

- **Anchored to the whole string.** This pattern uses ^ and $, so it requires the entire input to match. To find it inside a longer text, drop the anchors and use the global (g) flag.
- **Escape it correctly per language.** In Java and JavaScript strings each backslash must be doubled (\\d); in Python, Go, and C# use raw/verbatim strings so the backslashes survive.
- **Validate beyond format.** Matching the format doesn't guarantee the value is real. Confirm the fraction (n/m) against a source of truth (database, API, or checksum) where it matters.