

# Fret position calculator

Number of frets

Scale length   
(No fractions)

Inches   
Millimeters

Electric guitar

**Calculate** **Reset**

**Print**

## 25.500mm fret scale

fret	from nut	fret to fret
1	1.431mm	1.431mm (nut-1)
2	2.782mm	1.351mm (1-2)
3	4.057mm	1.275mm (2-3)
4	5.261mm	1.203mm (3-4)
5	6.397mm	1.136mm (4-5)
6	7.469mm	1.072mm (5-6)
7	8.481mm	1.012mm (6-7)
8	9.436mm	0.955mm (7-8)
9	10.338mm	0.902mm (8-9)
10	11.189mm	0.851mm (9-10)
11	11.992mm	0.803mm (10-11)
12*	12.750mm	0.758mm (11-12)
13	13.466mm	0.716mm (12-13)
14	14.141mm	0.675mm (13-14)
15	14.779mm	0.638mm (14-15)
16	15.380mm	0.602mm (15-16)
17	15.948mm	0.568mm (16-17)
18	16.484mm	0.536mm (17-18)
19	16.990mm	0.506mm (18-19)
20	17.468mm	0.478mm (19-20)
21	17.919mm	0.451mm (20-21)
22	18.344mm	0.425mm (21-22)

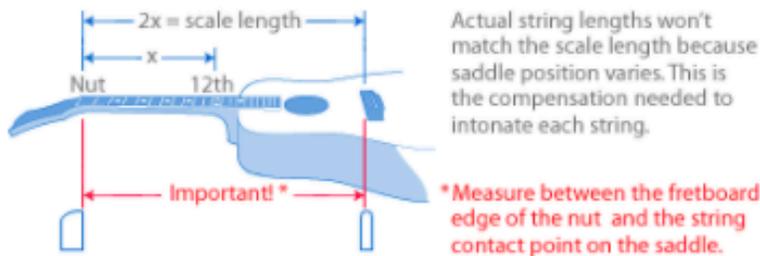
\* Frets that are red are "octaves".

✦ Typically 19, 21, 22, or 24

✦ What is **scale length**?

✦ Select based on if you entered a scale length of inches or millimeters. Please note, the fret calculator will not convert scale lengths, you can use our **measurement converter** to convert your scale length.

✦ Selecting your instrument also calculates the bridge position for proper intonation.



## Notes on fret layout

The most accurate way to lay out your scale is making all measurements from the nut (using the "fret to fret" distance only to confirm your layout). Laying out frets only by measuring fret to fret will compound error. For example, if you're laying out frets by marking with a scribe and your accuracy is  $\pm$  (plus or minus) 0.5 millimeters, you could be off by as much as 6 millimeters at the 12th fret.

Measurements are given from the end of the fingerboard (face of the nut) to the center of a fret slot.