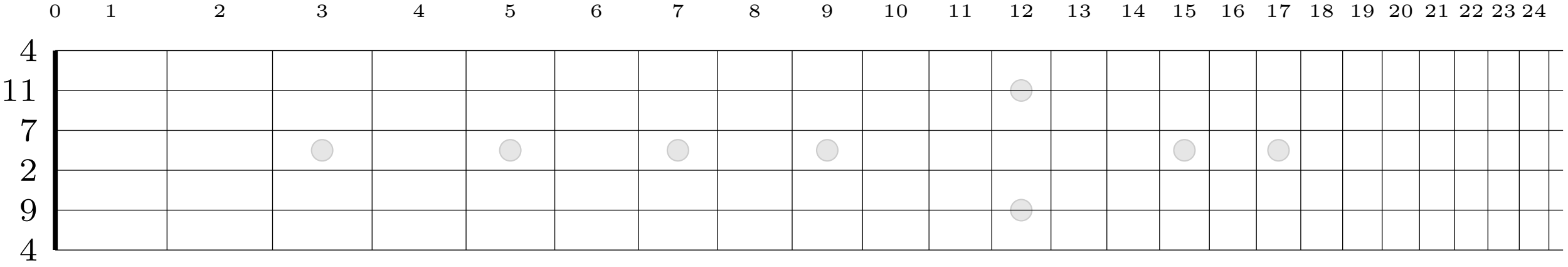


Horizontal Fret Movement & Fretboard

$4, -8$	$\overset{\rightrightarrows}{\pm 5}$	$9, -3$	$\overset{\rightrightarrows}{\pm 5}$	$2, -10$	$\overset{\rightrightarrows}{\pm 5}$	$7, -5$	$\overset{\rightrightarrows}{\pm 4}$	$11, -1$	$\overset{\rightrightarrows}{\pm 5}$	$4, -8$
$\odot$	——  ——	$5, -7$	——  ——	$10, -2$	——  ——	$3, -9$	——  ——	$7, -5$	——  ——	$0$
$7, -5$	——  ——	$\odot$	——  ——	$5, -7$	——  ——	$10, -2$	——  ——	$2, -10$	——  ——	$7, -5$
$2, -10$	——  ——	$7, -5$	——  ——	$\odot$	——  ——	$5, -7$	——  ——	$9, -3$	——  ——	$2, -10$
$9, -3$	——  ——	$2, -10$	——  ——	$7, -5$	——  ——	$\odot$	——  ——	$4, -8$	——  ——	$9, -3$
$5, -7$	——  ——	$10, -2$	——  ——	$3, -9$	——  ——	$8, -4$	——  ——	$\odot$	——  ——	$5, -7$
$0$	——  ——	$5, -7$	——  ——	$10, -2$	——  ——	$3, -9$	——  ——	$7, -5$	——  ——	$\odot$



Horizontal Fret Movement Explanation

$4, -8$	$\overset{\rightrightarrows}{\pm 5}$	$9, -3$	$\overset{\rightrightarrows}{\pm 5}$	$2, -10$	$\overset{\rightrightarrows}{\pm 5}$	$7, -5$	$\overset{\rightrightarrows}{\pm 4}$	$11, -1$	$\overset{\rightrightarrows}{\pm 5}$	$4, -8$
$\odot$	—  —	$5, -7$	—  —	$10, -2$	—  —	$3, -9$	—  —	$7, -5$	—  —	$0$
$7, -5$	—  —	$\odot$	—  —	$5, -7$	—  —	$10, -2$	—  —	$2, -10$	—  —	$7, -5$
$2, -10$	—  —	$7, -5$	—  —	$\odot$	—  —	$5, -7$	—  —	$9, -3$	—  —	$2, -10$
$9, -3$	—  —	$2, -10$	—  —	$7, -5$	—  —	$\odot$	—  —	$4, -8$	—  —	$9, -3$
$5, -7$	—  —	$10, -2$	—  —	$3, -9$	—  —	$8, -4$	—  —	$\odot$	—  —	$5, -7$
$0$	—  —	$5, -7$	—  —	$10, -2$	—  —	$3, -9$	—  —	$7, -5$	—  —	$\odot$

- Represents the fretboard diagram rotated by  $-\frac{\pi}{2}$  (clockwise rotation of  $90^\circ$ ). In other words, a vertical guitar fretboard, as seen if it was hung up vertically.
- The numbers in the first row represent the pitch of the string written in Semitone Integer Notation
  - The negative numbers here represent the note written in an equivalent notation, for example, the top left entry has  $4, -8$  this is because a 4 represents an  $E$  in standard musical notation. This is because it is 4 semitones above a  $C$  which we write as the number 0, additionally, if you go 8 notes down from  $C$  you also end up at an  $E$ .
- The numbers in the rows after the first represent a jump in semitones/interval between the anchor point and some other point on the same fret, but on a different string.
  - The negative numbers here have the same implication as above, in otherwords, going  $x$  semitones up from any note yields the same letter name or number as going down by  $x - 12$ . (not considering difference in octave)
- $\overset{\rightrightarrows}{\pm X}$ :
  - If you move from the current string and go to the string one to the right in the table (passing over  $\overset{\rightrightarrows}{\pm X}$  from left to right), then you add  $X$  semitones
  - If you start on a string and go left (passing over  $\overset{\rightrightarrows}{\pm X}$  from right to left), you subtract  $X$  semitones (notice how the notation implies this)
- $\odot$  represents an anchor point, elements in the same row represent horizontal movement to the next string on the same fret. Uses for an anchor point could be a starting point to build a chord from, or just being able to move to a different location based on your most recent reference point.
- —||— represents copying whatever is in the row above to this row, it is used to reduce visual clutter