

Crash Course in Music Theory for Guitarists

by Andy Drudy

Exercise answers.

1. The chromatic scale. Complete the following table, each time starting on the given note.

1	2	3	4	5	6	7	8	9	10	11	12	13
C	C#/D♭	D	D#/E♭	E	F	F#/G♭	G	G#/A♭	A	A#/B♭	B	C
E	F	F#/G♭	G	G#/A♭	A	A#/B♭	B	C	C#/D♭	D	D#/E♭	E
B	C	C#/D♭	D	D#/E♭	E	F	F#/G♭	G	G#/A♭	A	A#/B♭	B
G	G#/A♭	A	A#/B♭	B	C	C#/D♭	D	D#/E♭	E	F	F#/G♭	G

2. Fill out the following table for all the different keys.

Root	T	T	s	T	T	T	s
C	D	E	F	G	A	B	C
G	A	B	C	D	E	F#	G
D	E	F#	G	A	B	C#	D
A	B	C#	D	E	F#	G#	A
E	F#	G#	A	B	C#	D#	E
B	C#	D#	E	F#	G#	A#	B
F#	G#	A#	B	C#	D#	E#	F#
F	G	A	B♭	C	D	E	F
B♭	C	D	E♭	F	G	A	B♭
E♭	F	G	A♭	B♭	C	D	E♭
A♭	B♭	C	D♭	E♭	F	G	A♭
D♭	E♭	F	G♭	A♭	B♭	C	D♭
Root	Major 2nd	Major 3rd	Perfect 4th	Perfect 5th	Major 6th	Major 7th	Octave

3. Fill out the following table by harmonizing an A major scale into four part chords.

Root	3 rd	5 th	7 th	Chord
A	C#	E	G#	A major 7th
B	D	F#	A	B minor 7th
C#	E	G#	B	C# minor 7th
D	F#	A	C#	D major 7th
E	G#	B	D	E7th
F#	A	C#	E	E minor 7th
G#	B	D	F#	F# half diminished

4. Fill out the blanks in the following table.

I	II	III	IV	V	VI	VII
C Major	D Minor	E Minor	F Major	G Major	A Minor	B Diminished
G Major	A Minor	B Minor	C Major	D Major	E Minor	F# Diminished
A \flat Major	B \flat Minor	C Minor	D \flat Major	E \flat Major	F Minor	G Diminished
F Major	G Minor	A Minor	B \flat Major	C Major	D Minor	E Diminished
E Major	F# Minor	G# Minor	A Major	B Major	C# Minor	D# Diminished
B Major	C# Minor	D# Minor	E Major	F# Major	G# Minor	A# Diminished

5. Name the notes in the following chords.

Chord	Root	3 rd	5 th	7 th
Gma7	G	B	D	F#
G7	G	B	D	F
Gmin7	G	B \flat	D	F
Fmaj7	F	A	C	E
D7	D	F#	A	C
Emin7	E	G	B	D
A7	A	C#	E	G

6. Name the notes in the following Natural Minor scales.

Natural Minor	1	2	3	4	5	6	7
E	E	F#	G	A	B	C	D
G	G	A	B \flat	C	D	E \flat	F
F	F	G	A \flat	B \flat	C	D \flat	E \flat
D \flat	D \flat	E \flat	F \flat	G \flat	A \flat	B $\flat\flat$	C \flat