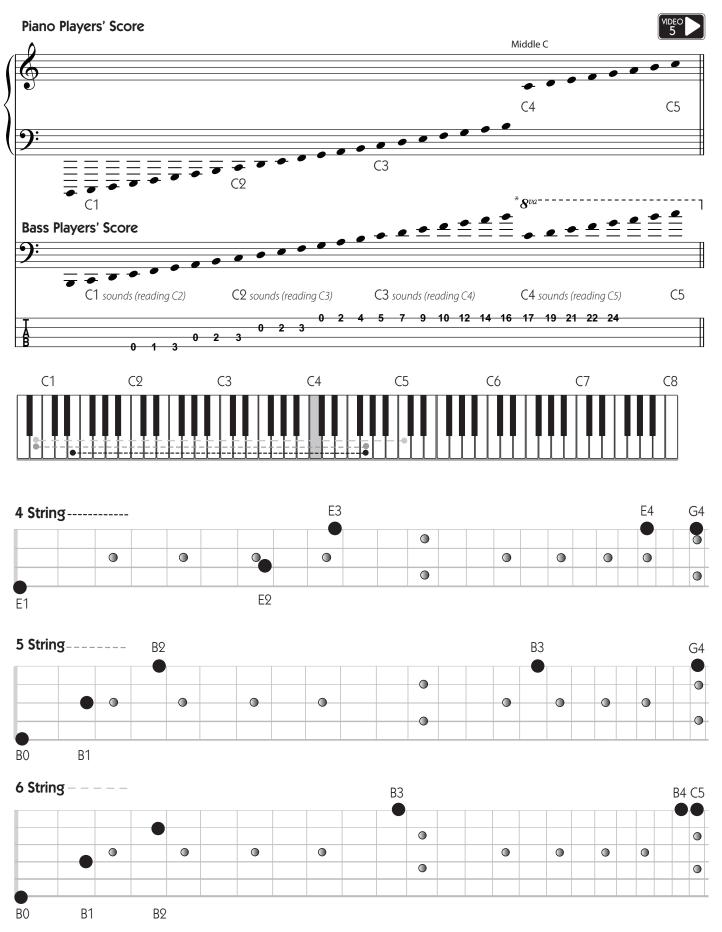
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CHAPTER 2



\*  $\delta^{va^{-}}$  ] is a way to make notes with many ledger lines easier to read. It means: Read an octave higher than written.

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#### Print entire page

# **Triad Inversion Summary Table**

Here is a summary of the most important information about triads we have covered so far.

Examples using triads built from the root D:

	Where is the Root of the Triad?	Lowest Note (Example)	Stacked Intervals	Interval Between Lowest and Highest Note	Example
root position	bottom note	root of the chord	third + third	fifth	
major triad		D	major third+ minor third	perfect fifth	D (D-F#-A)
minor triad		D	minor third+ major third	perfect fifth	Dm (D-F-A)
diminished triad		D	minor third+ minor third	diminished fifth	D° (D–F–Ab)
augmented triad		D	major third+ major third	augmented fifth	D+ (D-F#-A#)
first inversion (sixth chord)	top note	third of the chord	third + fourth	sixth	
major triad inv 1		F#	minor third+fourth	minor sixth	D/F# (F#–A–D
minor triad inv 1		F	major third+fourth	major sixth	Dm/F (F–A–D)
diminished triad inv 1		F	minor third+ augmented fourth	major sixth	D°/F (F–Ab–D)
augmented triad inv 1		F#	major third+ diminished fourth	minor sixth	D+/F# or F#+ (F#-A#-D)
second inversion (four six chord)	in the middle	fifth of the chord	fourth + third	sixth	
major triad inv 2		А	fourth+major third	major sixth	D/A (A-D-F#)
minor triad inv 2		А	fourth+minor third	minor sixth	Dm/A(A–D–F)
diminished triad inv 2		Аþ	augmented fourth+ minor third	major sixth	D°/Ab (Ab–D–F)
augmented triad inv 2		А#	diminished fourth+ major third	minor sixth	D+/A# or A#+ (A#-D-F#)

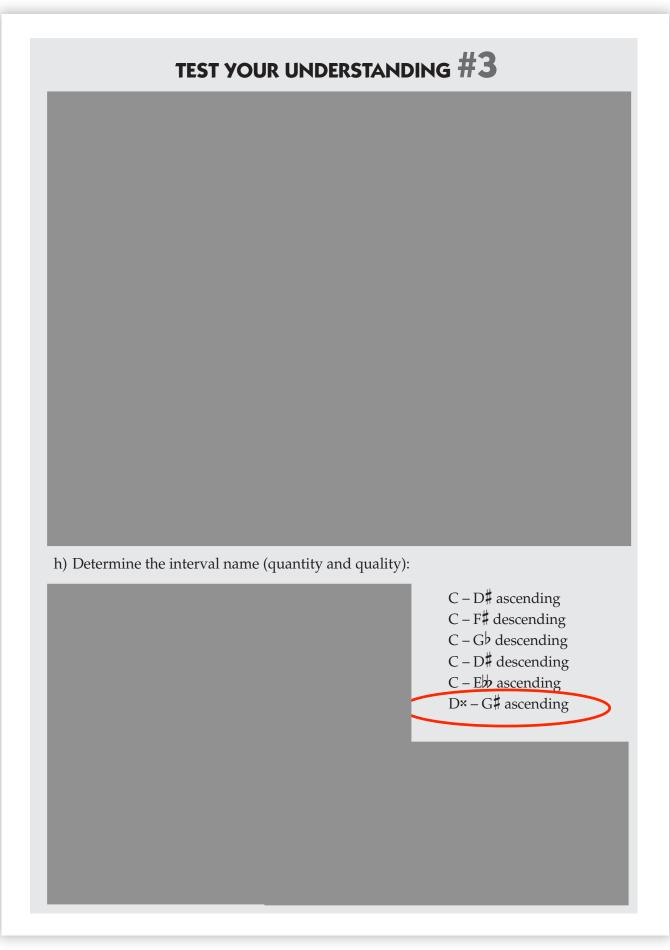
Let's look at each chord in detail in the table below, using the example of C as the root. The grey arrows in the "Explanation" column point out the redundant naming that is dropped in the chord symbol. (There are quite a few variations possible when it comes to the actual chord symbol. The most frequently used conventions are listed).

Name	Triad	7th	Thirds Formula	Stacked Intervals	Example Spelled Out	Explanation	Chord Symbol	Sound
"C major 7"	maj	maj	maj3-min3- maj3	maj3-p5-maj7	C-E-G-B	Cmaj-maj7	Cmaj7 Cma7 C∆	stable, yet dissonant home jazzy
"C minor 7"	min	min	min3-maj3- min3	min3-p5-min7	С-Ер-С-Вр	Cmin-min7	Cmin7 Cm7 C-7	dark mellow cool'n funky
"C7" "C dominant 7"	maj	min	maj3-min3- min3	maj3-p5-min7	C-E-G-B♭	Cmaj-min7	C7	tense bluesy wants to resolve
"C minor major 7"	min	maj	min3-maj3- maj3	min3-p5-maj7	С-Е♭-G-В	Cmin-maj7	Cmin(maj7) Cm(ma7) Cm(maj7)	very wistful tense

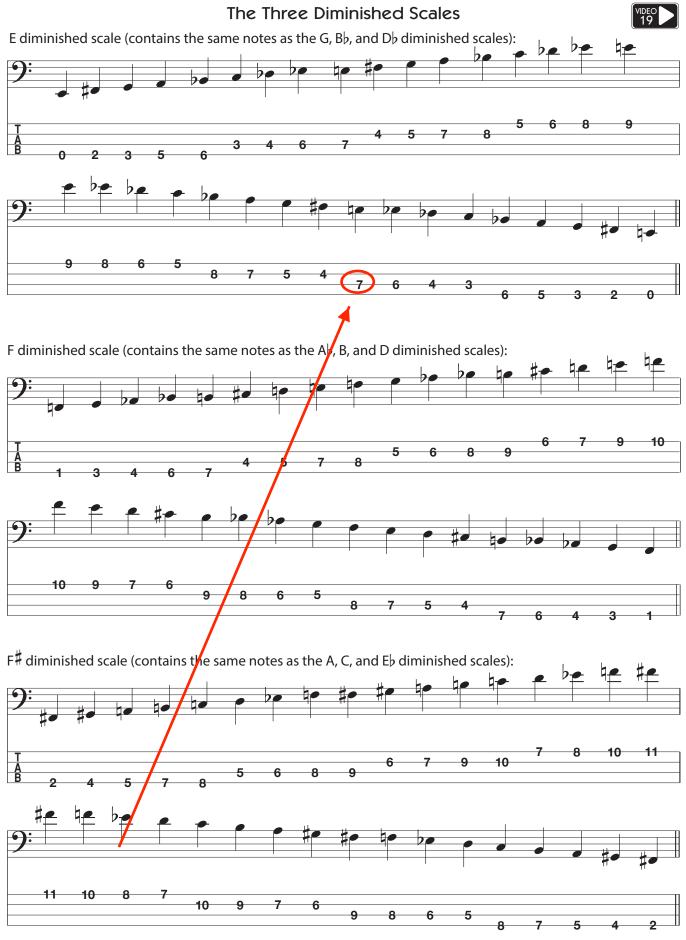
# FOUR-NOTE CHORDS WITH A DIMINISHED OR AUGMENTED FIFTH

What if you make seventh chords with diminished and augmented triads? You will find frequently used diminished and augmented seventh chords in the chart below.

Name	Triad	7th	Thirds Formula	Stacked Intervals	Example Spelled Out	Explanation	Chord Symbol	Sound
"C minor 7 flat five" or "C half diminished"	dim	min	min3-min3- maj3	min3-dim5- min7	С-Ер-Ср-Вр	Cdim-min7	Cmin7b5 C <sup>Ø</sup>	tense
"C diminished 7"	dim	dim	min3-min3- min3	min3-dim5- dim7	C-Eb-Gb-A (really Bbb)	Cdim-dim7	C°7 Cdim7	even more tense dark
"C augmented major 7"	aug	maj	maj3-maj3- min3	maj3-aug5- maj7	C-E-G#-B	Caug-maj7	Cmaj7#5 C+maj7	very bright slightly mysterious
"C7 sharp five" C7 augmented	aug	min	maj3-maj3- dim3	maj3-aug5- min7	C-E-G♯-B♭	Caug-min7	C+7 C7 <sup>#</sup> 5	slightly jarring bright



#### NTERVALS

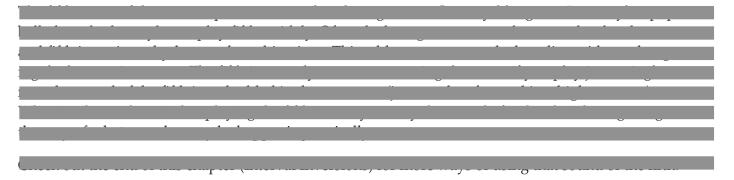


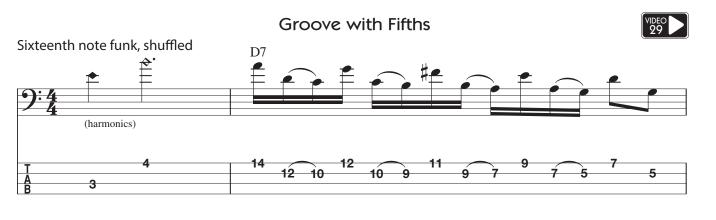


#### **Exercises**

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0 1	U			1 2	1 <i>7</i>	

## **Groove Examples**

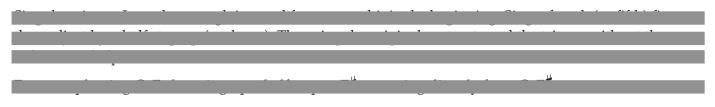






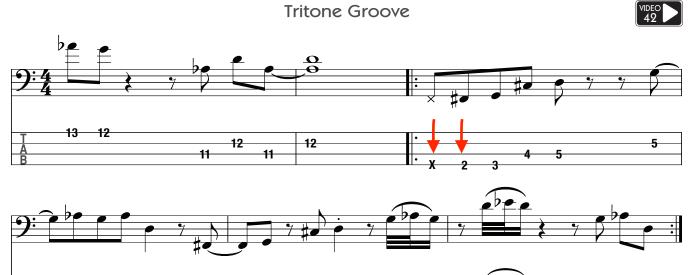


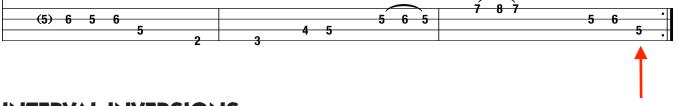
#### **Exercises**



## **Groove Examples**





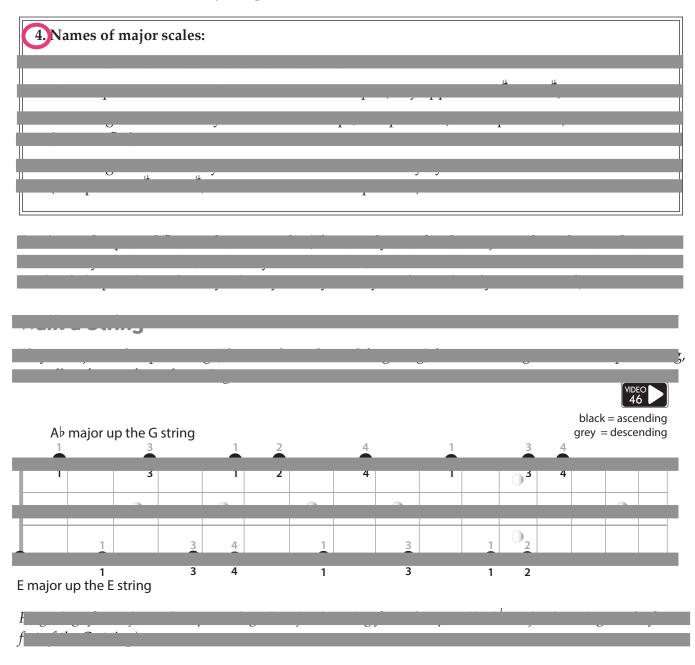


# INTERVAL INVERSIONS

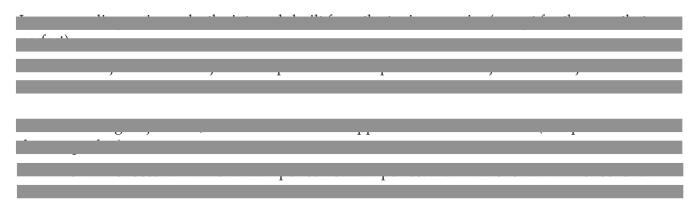
## **Understanding Inversions**



In order to avoid unnecessarily complex scales, follow this additional rule:



# Intervals Built from the Tonic of the Major Scale



## MAJOR SCALE PRIMER

## **PREPARATION FOR THE CYCLE OF FIFTHS**

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The added sharps occur in the order of falling (descending) fourths:  $F^{\ddagger}$ ,  $C^{\ddagger}$ ,  $G^{\ddagger}$ ,  $D^{\ddagger}$ ,  $A^{\ddagger}$ ,  $E^{\ddagger}$ ,  $B^{\ddagger}$ The added flats occur in the order of falling (descending) fifths:  $B^{\flat}$ ,  $E^{\flat}$ ,  $A^{\flat}$ ,  $D^{\flat}$ ,  $G^{\flat}$ ,  $C^{\flat}$ ,  $F^{\flat}$ 



**Triad Primer for the Bassist** 

# INTRODUCTION TO TRIADS

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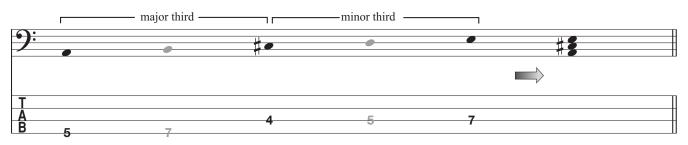
*play a note – skip a note – play a note – skip a note – play a note.* 

**Position of brackets** 

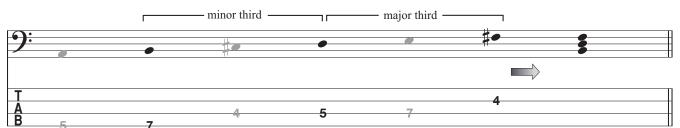
#### Example

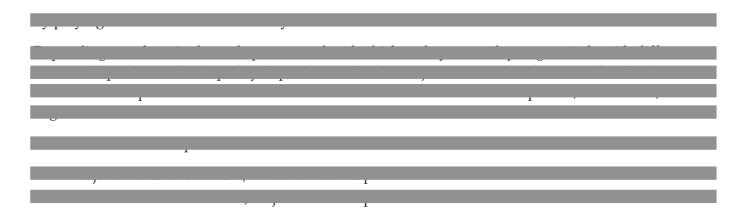
66

A major scale stacking thirds starting from root (A)



A major scale stacking thirds from second note of the scale (B)



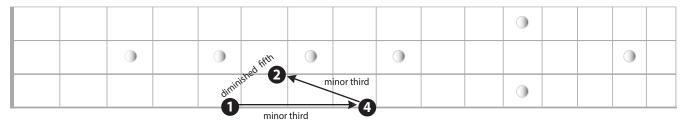


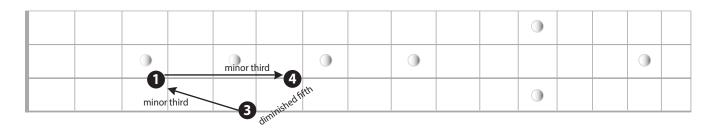
# THE DIMINISHED TRIAD

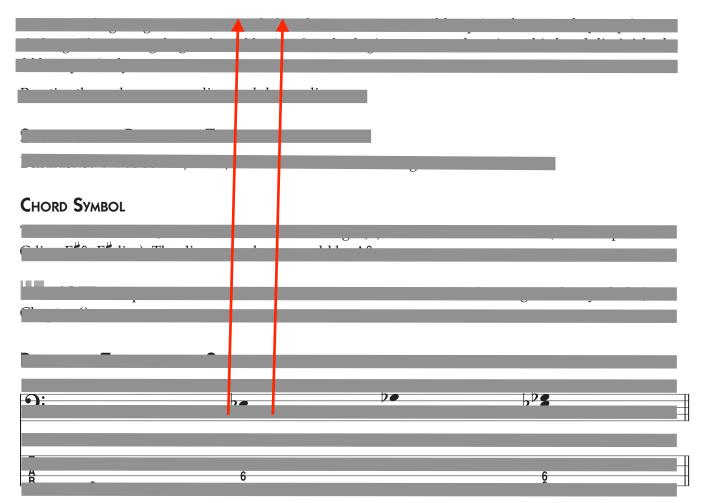
Introducing Diminished Triads

#### SUGGESTED FINGERINGS

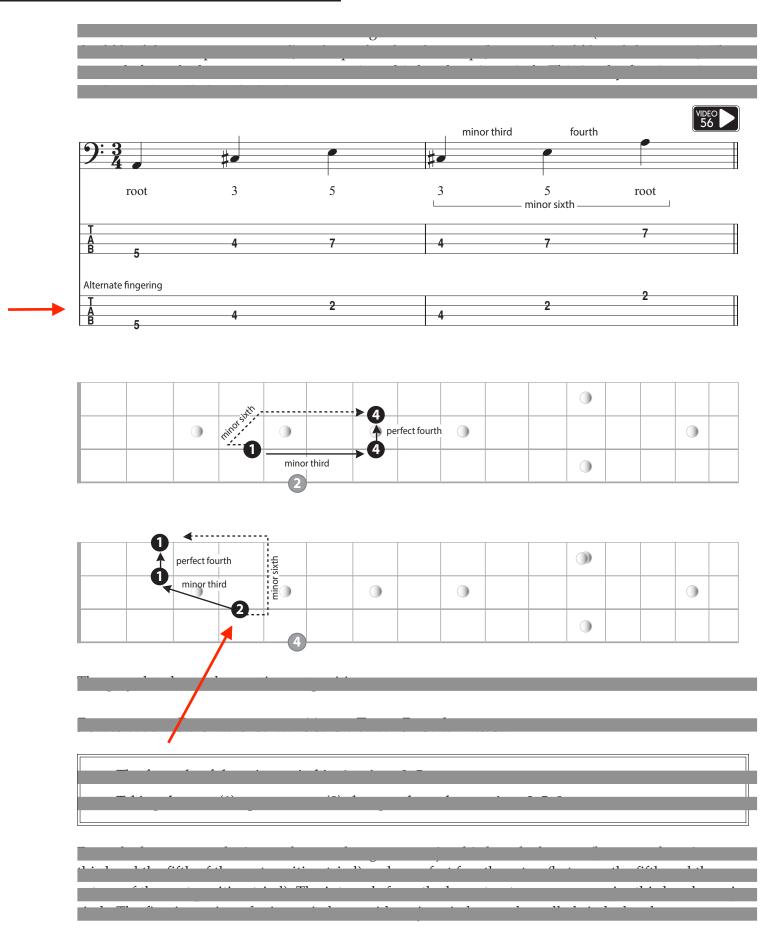
VIDEO 50







# TRIAD PRIMER FOR THE BASSIST



## CHORD SYMBOL

A/C<sup>#</sup> or Am/C

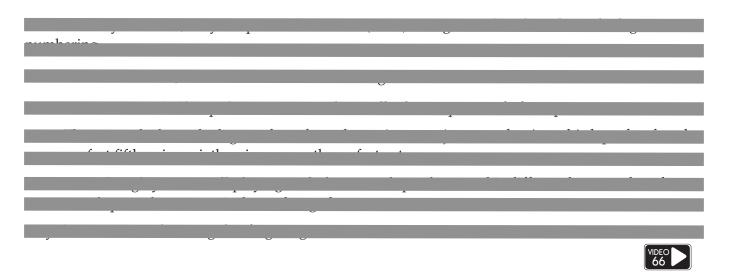
Read "A over C<sup>#</sup>": an A major triad with a C<sup>#</sup> bass note. Read "Am over C": an A minor triad with a C bass note. The third is the lowest note  $\rightarrow$  first inversion.

# Minor Scale Primer

# **CREATING THE MINOR SCALE**

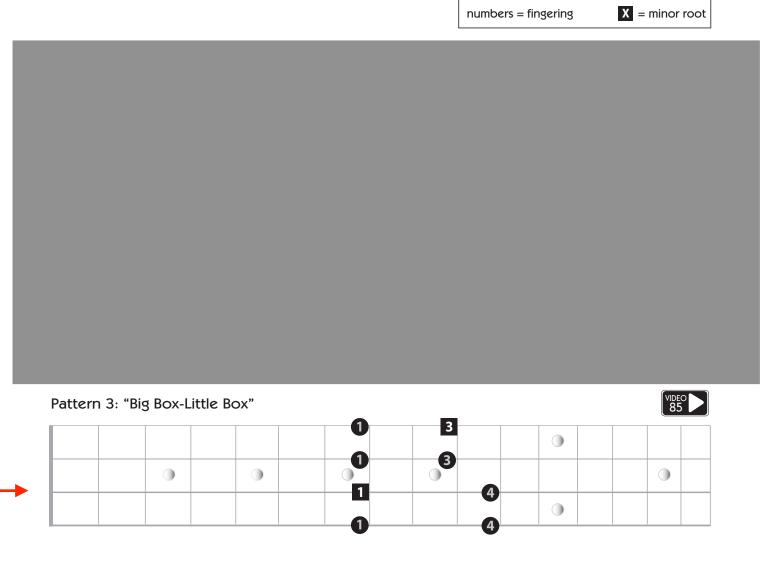
<b>1 2 3 4 5 6 7 8</b> 2 3 4 5 6 7 8 C major <b>C D E F G A B C</b> D E F G A B C (relative* major of A minor)	CDEFGABCDEFGABC (relative* major of A minor)						,	-									
C D E F G A B C D E F G A B C (relative* major	CDEFGABCDEFGABC (relative* major of A minor)			0										*			
<b>CDEFGABC</b> DEFGABC (relative* major of A minor)	of A minor)	1	2	3	4	5	6	7	8	2	3	4	5	6	7	8	C major
		С	D	E	F	G	Α	B	С	D	Е	F	G	А	В	С	

= half step \* = see below for explanation of the relative scale relationship



		-	0					
			3	-4				
		0	B					

# **E MINOR PENTATONIC PATTERNS**



Pattern 5: Little Box-Big Box"



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### ANSWERS TO THE TEST YOUR UNDERSTANDING QUESTIONS

#### **TEST YOUR UNDERSTANDING #1**

#### How The Bass is Organized Part 1

- a) E-6 and  $A-1,\,E-8$  and  $A-3,\,E-10$  and A-5
- b) E-1 and A-8, E-3 and A-10
- c) Two possible answers:
  - In a) the notes have the same pitch, in b) they are an octave apart.
  - In a) the formula is "minus 5", in b) it is "plus 7."
- d) A 10th fret and D 5th fret, <u>D 10th fret and A 15th fret</u>, A 6th fret and D 1st fret, D 5th fret and G open string.

#### **TEST YOUR UNDERSTANDING #2**

#### How The Bass is Organized Part 2

- a) For each note name: 7 (on a four string), 9 (five string), 11 (six string).
- b) No, the note will be played in various octaves.
- c) 2 or 3
- d)
  - D: four-string: 10 on E, 5 on A, 0 or 12 on D, 7 on G five-string: 3 on B, 10 on E, 5 on A, 0 or 12 on D, 7 on G six-string: 3 on B, 10 on E - 5 on A - 0 or 12 on D - 7 on G, 2 on C
  - A: four-string: 5, 0 or 12, 7, 2 five-string: 10, 5, 0 or 12, 7, 2 six-string: 10, 5, 0 or 12, 7, 2, 9
    B: four-string: 7, 2, 9, 4
  - five-string: 0 or 12, 7, 2, 9, 4 six-string: 0 or 12, 7, 2, 9, 4, 11
  - F: four-string: 1, 8, 3, 10
  - five-string: 6, 1, 8, 3, 10
  - six-string: 6, 1, 8, 3, 10, 5 Bb: four-string: 6, 1, 8, 3
  - five-string: 11, 6, 1, 8, 3
  - six-string: 11, 6, 1, 8, 3, 10
  - Eb: four-string: 11, 6, 1, 8

five-string: 4, 11, 6, 1, 8 six-string: 4, 11, 6, 1, 8, 3 G: four-string: 3, 10, 5, 0 or 12 five-string: 8, 3, 10, 5, 0 or 12 six-string: 8, 3, 10, 5, 0 or 12, 7 G#: four-string: 4, 11, 6, 1 five-string: 9, 4, 11, 6, 1 six-string: 9, 4, 11, 6, 1, 8 C: four-string: 8, 3, 10, 5 five-string: 1, 8, 3, 10, 5 six-string: 1, 8, 3, 10, 5, 0 or 12 C#: four-string: 9, 4, 11, 6 five-string: 2, 9, 4, 11, 6 six-string: 2, 9, 4, 11, 6, 1  $A\flat$  (same as  $G\ddagger$ ) D♭ (same as C♯)

#### APPENDIX

h) Determine the interval name (quantity and quality):
D–F ascending = minor third ascending
D–G ascending = perfect fourth ascending
E–A ascending = perfect fourth ascending
Eb–Ab ascending = perfect fourth ascending
Eb–G ascending = major third ascending
Eb–G ascending = augmented third ascending
D–F descending = perfect fifth descending
D–G descending = perfect fifth descending
E–A descending = perfect fifth descending
E–A descending = perfect fifth descending

Eb-Ab descending = perfect fifth descending Eb-G descending = minor sixth descending Eb-G# descending = diminished sixth descending C-F# ascending = augmented fourth ascending C-D# ascending = diminished fifth ascending C-D# ascending = diminished fifth descending C-F# descending = diminished fifth descending C-D# descending = augmented fourth descending C-D# descending = diminished seventh descending C-D# descending = diminished seventh descending D\*-G# ascending = diminished fourth ascending

T Ir

## APPENDIX

c) Name and play the triads:

B-D#-F#: B B-D-F: B° Bb-D-F: Bb B#-D#-F#: B#° Bb-Db-Fb: Bb° B–D–F#: Bmin B–D#–F×: B+ BÞ–DÞ–F: BÞmin

# **GLOSSARY**

**Cadence** • in our context, a cadence is a series of chords that lock you into the key of the tonic (in other words, make it easy to sing the tonic of the key. The simplest cadence is playing the triads of the following scale degrees in this order: I–IV–V–I.