

# Major Scales Worksheet

This is the answer key to the Session 7 Bonus Exercise "Major Scales Worksheet" on page 59.

	Whole	Whole	Half	Whole	Whole	Whole	Half	How many sharps (#) or flats (b)?	What are they?
C	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>A</u>	<u>B</u>	<u>C</u>	none	none

The following scales all contain SHARPS.

G	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F#</u>	<u>G</u>	1#	F#
D	<u>E</u>	<u>F#</u>	<u>G</u>	<u>A</u>	<u>B</u>	<u>C#</u>	<u>D</u>	2#'s	F#,C#
A	<u>B</u>	<u>C#</u>	<u>D</u>	<u>E</u>	<u>F#</u>	<u>G#</u>	<u>A</u>	3#'s	F#,C#,G#
E	<u>F#</u>	<u>G#</u>	<u>A</u>	<u>B</u>	<u>C#</u>	<u>D#</u>	<u>E</u>	4#'s	F#,C#,G#,D#
B	<u>C#</u>	<u>D#</u>	<u>E</u>	<u>F#</u>	<u>G#</u>	<u>A#</u>	<u>B</u>	5#'s	F#,C#,G#,D#,A#
F#	<u>G#</u>	<u>A#</u>	<u>B</u>	<u>C#</u>	<u>D#</u>	<u>E#</u>	<u>F#</u>	6#'s	F#,C#,G#,D#,A#,E#

The following scales all contain FLATS.

F	<u>G</u>	<u>A</u>	<u>Bb</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	1b	Bb
Bb	<u>C</u>	<u>D</u>	<u>Eb</u>	<u>F</u>	<u>G</u>	<u>A</u>	<u>Bb</u>	2b's	Bb,Eb
Eb	<u>F</u>	<u>G</u>	<u>Ab</u>	<u>Bb</u>	<u>C</u>	<u>D</u>	<u>Eb</u>	3b's	Bb,Eb,Ab
Ab	<u>Bb</u>	<u>C</u>	<u>Db</u>	<u>Eb</u>	<u>F</u>	<u>G</u>	<u>Ab</u>	4b's	Bb,Eb,Ab,Db
Db	<u>Eb</u>	<u>F</u>	<u>Gb</u>	<u>Ab</u>	<u>Bb</u>	<u>C</u>	<u>Db</u>	5b's	Bb,Eb,Ab,Db,Gb
Gb	<u>Ab</u>	<u>Bb</u>	<u>Cb</u>	<u>Db</u>	<u>Eb</u>	<u>F</u>	<u>Gb</u>	6b's	Bb,Eb,Ab,Db,Gb,Cb

# Major Scales Mixed Worksheet

This is the answer key to the Session 7 Bonus Exercise "Major Scales Mixed Worksheet" on page 60.

	<i>Whole</i>	<i>Whole</i>	<i>Half</i>	<i>Whole</i>	<i>Whole</i>	<i>Whole</i>	<i>Half</i>	<i>How many sharps (#) or flats (b)?</i>	<i>What are they?</i>
C	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>A</u>	<u>B</u>	<u>C</u>	<u>none</u>	<u>none</u>
Bb	<u>C</u>	<u>D</u>	<u>Eb</u>	<u>F</u>	<u>G</u>	<u>A</u>	<u>Bb</u>	<u>2b's</u>	<u>Bb,Eb</u>
D	<u>E</u>	<u>F#</u>	<u>G</u>	<u>A</u>	<u>B</u>	<u>C#</u>	<u>D</u>	<u>2#'s</u>	<u>F#,C#</u>
Ab	<u>Bb</u>	<u>C</u>	<u>Db</u>	<u>Eb</u>	<u>F</u>	<u>G</u>	<u>Ab</u>	<u>4b's</u>	<u>Bb,Eb,Ab,Db</u>
E	<u>F#</u>	<u>G#</u>	<u>A</u>	<u>B</u>	<u>C#</u>	<u>D#</u>	<u>E</u>	<u>4#'s</u>	<u>F#,C#,G#,D#</u>
Gb	<u>Ab</u>	<u>Bb</u>	<u>Cb</u>	<u>Db</u>	<u>Eb</u>	<u>F</u>	<u>Gb</u>	<u>6b's</u>	<u>Bb,Eb,Ab,Db,Gb,Cb</u>
F#	<u>G#</u>	<u>A#</u>	<u>B</u>	<u>C#</u>	<u>D#</u>	<u>E#</u>	<u>F#</u>	<u>6#'s</u>	<u>F#,C#,G#,D#,A#,E#</u>
Db	<u>Eb</u>	<u>F</u>	<u>Gb</u>	<u>Ab</u>	<u>Bb</u>	<u>C</u>	<u>Db</u>	<u>5b's</u>	<u>Bb,Eb,Ab,Db,Gb</u>
A	<u>B</u>	<u>C#</u>	<u>D</u>	<u>E</u>	<u>F#</u>	<u>G#</u>	<u>A</u>	<u>3#'s</u>	<u>F#,C#,G#</u>
Eb	<u>F</u>	<u>G</u>	<u>Ab</u>	<u>Bb</u>	<u>C</u>	<u>D</u>	<u>Eb</u>	<u>3b's</u>	<u>Bb,Eb,Ab</u>
B	<u>C#</u>	<u>D#</u>	<u>E</u>	<u>F#</u>	<u>G#</u>	<u>A#</u>	<u>B</u>	<u>5#'s</u>	<u>F#,C#,G#,D#,A#</u>
F	<u>G</u>	<u>A</u>	<u>Bb</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>1b</u>	<u>Bb</u>
G	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F#</u>	<u>G</u>	<u>1#</u>	<u>F#</u>

# Major Scale Table Worksheet

This table is the answer key to the Session 7 Bonus Exercise “Major Scale Table Worksheet” on page 61.

<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>A</b>	<b>B</b>	<b>C</b>
<b>F</b>	<b>G</b>	<b>A</b>	<b>Bb</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
<b>Bb</b>	<b>C</b>	<b>D</b>	<b>Eb</b>	<b>F</b>	<b>G</b>	<b>A</b>	<b>Bb</b>
<b>Eb</b>	<b>F</b>	<b>G</b>	<b>Ab</b>	<b>Bb</b>	<b>C</b>	<b>D</b>	<b>Eb</b>
<b>Ab</b>	<b>Bb</b>	<b>C</b>	<b>Db</b>	<b>Eb</b>	<b>F</b>	<b>G</b>	<b>Ab</b>
<b>Db</b>	<b>Eb</b>	<b>F</b>	<b>Gb</b>	<b>Ab</b>	<b>Bb</b>	<b>C</b>	<b>Db</b>
<b>Gb</b>	<b>Ab</b>	<b>Bb</b>	<b>Cb</b>	<b>Db</b>	<b>Eb</b>	<b>F</b>	<b>Gb</b>
<b>F#</b>	<b>G#</b>	<b>A#</b>	<b>B</b>	<b>C#</b>	<b>D#</b>	<b>E#</b>	<b>F#</b>
<b>B</b>	<b>C#</b>	<b>D#</b>	<b>E</b>	<b>F#</b>	<b>G#</b>	<b>A#</b>	<b>B</b>
<b>E</b>	<b>F#</b>	<b>G#</b>	<b>A</b>	<b>B</b>	<b>C#</b>	<b>D#</b>	<b>E</b>
<b>A</b>	<b>B</b>	<b>C#</b>	<b>D</b>	<b>E</b>	<b>F#</b>	<b>G#</b>	<b>A</b>
<b>D</b>	<b>E</b>	<b>F#</b>	<b>G</b>	<b>A</b>	<b>B</b>	<b>C#</b>	<b>D</b>
<b>G</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F#</b>	<b>G</b>

# *The Ultimate Major Scale Mix Up*

This table is the answer key to the Session 7 Bonus Exercise “The Ultimate Major Scale Mix Up” on page 62.

<b>Bb</b>	<b>C</b>	<b>D</b>	<b>Eb</b>	<b>F</b>	<b>G</b>	<b>A</b>	<b>Bb</b>
<b>D</b>	<b>E</b>	<b>F#</b>	<b>G</b>	<b>A</b>	<b>B</b>	<b>C#</b>	<b>D</b>
<b>F</b>	<b>G</b>	<b>A</b>	<b>Bb</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
<b>B</b>	<b>C#</b>	<b>D#</b>	<b>E</b>	<b>F#</b>	<b>G#</b>	<b>A#</b>	<b>B</b>
<b>Eb</b>	<b>F</b>	<b>G</b>	<b>Ab</b>	<b>Bb</b>	<b>C</b>	<b>D</b>	<b>Eb</b>
<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>A</b>	<b>B</b>	<b>C</b>
<b>Gb</b>	<b>Ab</b>	<b>Bb</b>	<b>Cb</b>	<b>Db</b>	<b>Eb</b>	<b>F</b>	<b>Gb</b>
<b>E</b>	<b>F#</b>	<b>G#</b>	<b>A</b>	<b>B</b>	<b>C#</b>	<b>D#</b>	<b>E</b>
<b>G</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F#</b>	<b>G</b>
<b>Db</b>	<b>Eb</b>	<b>F</b>	<b>Gb</b>	<b>Ab</b>	<b>Bb</b>	<b>C</b>	<b>Db</b>
<b>A</b>	<b>B</b>	<b>C#</b>	<b>D</b>	<b>E</b>	<b>F#</b>	<b>G#</b>	<b>A</b>
<b>F#</b>	<b>G#</b>	<b>A#</b>	<b>B</b>	<b>C#</b>	<b>D#</b>	<b>E#</b>	<b>F#</b>
<b>Ab</b>	<b>Bb</b>	<b>C</b>	<b>Db</b>	<b>Eb</b>	<b>F</b>	<b>G</b>	<b>Ab</b>














# Keys & Key Signatures Worksheet

This is the answer key to the Session 8 Bonus Exercise “Keys & Key Signatures Worksheet” on page 68.

- 1) What key has 4 sharps in its key signature? E      What are they? F#   C#   G#   D#
- 2) What key has 3 flats in its key signature? Eb      What are they? Bb   Eb   Ab
- 3) What key has 2 sharps in its key signature? D      What are they? F#   C#
- 4) What key has 4 flats in its key signature? Ab      What are they? Bb   Eb   Ab   Db
- 5) In the key of Bb, what note(s) are sharped/flatted? Bb, Eb
- 6) In the key of G, what note(s) are sharped/flatted? F#
- 7) In the key of C, what note(s) are sharped/flatted? None
- 8) In the key of E, what note(s) are sharped/flatted? F#, C#, G#, D#
- 9) In the key of Eb, what note(s) are sharped/flatted? Bb, Eb, Ab
- 10) What key has 2 flats in its key signature? Bb      What are they? Bb   Eb
- 11) What key has 5 flats in its key signature? Db      What are they? Bb   Eb   Ab   Db   Gb
- 12) What key has 1 sharp in its key signature? G      What is it? F#
- 13) What key has 3 sharps in its key signature? A      What are they? F#   C#   G#
- 14) If the key signature has an F# and a C# in it, what's the key? D
- 15) If the key signature has a Bb, Eb, Ab, and a Db, what's the key? Ab
- 16) If the key signature is Bb and Eb, what's the key? Bb
- 17) If the key signature is F#, C#, G#, and D#, what's the key? E
- 18) If the key signature is Bb, Eb, Ab, Db, Gb, and Cb, what's the key? Gb

# ***Determining a Key from a Key Signature***

This is the answer key to the Session 8 Bonus Exercise “Determining a Key from a Key Signature” on page 69.

<i><u>Key Signature</u></i>	<i><u>What's the Key?</u></i>
1) 	<u>D</u>
2) 	<u>E</u>
3) 	<u>G</u>
4) 	<u>B</u>
5) 	<u>Ab</u>
6) 	<u>Bb</u>
7) 	<u>Gb</u>
8) 	<u>Eb</u>
9) 	<u>A</u>
10) 	<u>F</u>
11) 	<u>C</u>
12) 	<u>Db</u>
13) 	<u>F#</u>

# ***Diatonic Intervals Worksheet***

This is the answer key to the Session 9 Bonus Exercise “Diatonic Intervals Worksheet” on page 79.

- |  |           |  |           |
|--|-----------|--|-----------|
| 1) In C, what is the 3 <sup>rd</sup> ?   | <u>E</u>  | 21) In A, what is the 7 <sup>th</sup> ?  | <u>G#</u> |
| 2) In F, what is the 5 <sup>th</sup> ?   | <u>C</u>  | 22) In C, what is the 5 <sup>th</sup> ?  | <u>G</u>  |
| 3) In G, what is the 2 <sup>nd</sup> ?   | <u>A</u>  | 23) In F, what is the 4 <sup>th</sup> ?  | <u>Bb</u> |
| 4) In Bb, what is the 4 <sup>th</sup> ?  | <u>Eb</u> | 24) In G, what is the 5 <sup>th</sup> ?  | <u>D</u>  |
| 5) In D, what is the 3 <sup>rd</sup> ?   | <u>F#</u> | 25) In Bb, what is the 7 <sup>th</sup> ? | <u>A</u>  |
| 6) The 7 <sup>th</sup> in Eb is          | <u>D</u>  | 26) The 2 <sup>nd</sup> in D is          | <u>E</u>  |
| 7) The 2 <sup>nd</sup> in A is           | <u>B</u>  | 27) The 2 <sup>nd</sup> in Eb is         | <u>F</u>  |
| 8) The 6 <sup>th</sup> in C is           | <u>A</u>  | 28) The 3 <sup>rd</sup> in A is          | <u>C#</u> |
| 9) The 7 <sup>th</sup> in F is           | <u>E</u>  | 29) The 7 <sup>th</sup> in C is          | <u>B</u>  |
| 10) The 3 <sup>rd</sup> in G is          | <u>B</u>  | 30) The 2 <sup>nd</sup> in F is          | <u>G</u>  |
| 11) In Bb, what is the 6 <sup>th</sup> ? | <u>G</u>  | 31) In G, what is the 7 <sup>th</sup> ?  | <u>F#</u> |
| 12) In D, what is the 5 <sup>th</sup> ?  | <u>A</u>  | 32) In Bb, what is the 5 <sup>th</sup> ? | <u>F</u>  |
| 13) In Eb, what is the 3 <sup>rd</sup> ? | <u>G</u>  | 33) In D, what is the 6 <sup>th</sup> ?  | <u>B</u>  |
| 14) In A, what is the 4 <sup>th</sup> ?  | <u>D</u>  | 34) In Eb, what is the 4 <sup>th</sup> ? | <u>Ab</u> |
| 15) In C, what is the 2 <sup>nd</sup> ?  | <u>D</u>  | 35) In A, what is the 5 <sup>th</sup> ?  | <u>E</u>  |
| 16) The 3 <sup>rd</sup> in F is          | <u>A</u>  | 36) The 4 <sup>th</sup> in C is          | <u>F</u>  |
| 17) The 6 <sup>th</sup> in G is          | <u>E</u>  | 37) The 6 <sup>th</sup> in F is          | <u>D</u>  |
| 18) The 3 <sup>rd</sup> in Bb is         | <u>D</u>  | 38) The 4 <sup>th</sup> in G is          | <u>C</u>  |
| 19) The 7 <sup>th</sup> in D is          | <u>C#</u> | 39) The 2 <sup>nd</sup> in Bb is         | <u>C</u>  |
| 20) The 5 <sup>th</sup> in Eb is         | <u>Bb</u> | 40) The 4 <sup>th</sup> in D is          | <u>G</u>  |

# ***Diatonic Intervals by Key Worksheet***

This is the answer key to the Session 9 Bonus Exercise “Diatonic Intervals by Key Worksheet” on page 80.

<b>In the Key of C...</b> 1) What is the 3 <sup>rd</sup> ? <u>E</u> 2) What is the 5 <sup>th</sup> ? <u>G</u> 3) What is the 7 <sup>th</sup> ? <u>B</u> 4) What is the 2 <sup>nd</sup> ? <u>D</u> 5) What is the 4 <sup>th</sup> ? <u>F</u> 6) What is the 6 <sup>th</sup> ? <u>A</u>	<b>In the Key of F...</b> 1) What is the 3 <sup>rd</sup> ? <u>A</u> 2) What is the 5 <sup>th</sup> ? <u>C</u> 3) What is the 7 <sup>th</sup> ? <u>E</u> 4) What is the 2 <sup>nd</sup> ? <u>G</u> 5) What is the 4 <sup>th</sup> ? <u>Bb</u> 6) What is the 6 <sup>th</sup> ? <u>D</u>	<b>In the Key of Bb...</b> 1) What is the 3 <sup>rd</sup> ? <u>D</u> 2) What is the 5 <sup>th</sup> ? <u>F</u> 3) What is the 7 <sup>th</sup> ? <u>A</u> 4) What is the 2 <sup>nd</sup> ? <u>C</u> 5) What is the 4 <sup>th</sup> ? <u>Eb</u> 6) What is the 6 <sup>th</sup> ? <u>G</u>
<b>In the Key of Eb...</b> 1) What is the 3 <sup>rd</sup> ? <u>G</u> 2) What is the 5 <sup>th</sup> ? <u>Bb</u> 3) What is the 7 <sup>th</sup> ? <u>D</u> 4) What is the 2 <sup>nd</sup> ? <u>F</u> 5) What is the 4 <sup>th</sup> ? <u>Ab</u> 6) What is the 6 <sup>th</sup> ? <u>C</u>	<b>In the Key of Ab...</b> 1) What is the 3 <sup>rd</sup> ? <u>C</u> 2) What is the 5 <sup>th</sup> ? <u>Eb</u> 3) What is the 7 <sup>th</sup> ? <u>G</u> 4) What is the 2 <sup>nd</sup> ? <u>Bb</u> 5) What is the 4 <sup>th</sup> ? <u>Db</u> 6) What is the 6 <sup>th</sup> ? <u>F</u>	<b>In the Key of Db...</b> 1) What is the 3 <sup>rd</sup> ? <u>F</u> 2) What is the 5 <sup>th</sup> ? <u>Ab</u> 3) What is the 7 <sup>th</sup> ? <u>C</u> 4) What is the 2 <sup>nd</sup> ? <u>Eb</u> 5) What is the 4 <sup>th</sup> ? <u>Gb</u> 6) What is the 6 <sup>th</sup> ? <u>Bb</u>
<b>In the Key of Gb...</b> 1) What is the 3 <sup>rd</sup> ? <u>Bb</u> 2) What is the 5 <sup>th</sup> ? <u>Db</u> 3) What is the 7 <sup>th</sup> ? <u>F</u> 4) What is the 2 <sup>nd</sup> ? <u>Ab</u> 5) What is the 4 <sup>th</sup> ? <u>Cb</u> 6) What is the 6 <sup>th</sup> ? <u>Eb</u>		



## In the Key of G...

- 1) What is the 3<sup>rd</sup> ? B
- 2) What is the 5<sup>th</sup> ? D
- 3) What is the 7<sup>th</sup> ? F#
- 4) What is the 2<sup>nd</sup> ? A
- 5) What is the 4<sup>th</sup> ? C
- 6) What is the 6<sup>th</sup> ? E

## In the Key of D...

- 1) What is the 3<sup>rd</sup> ? F#
- 2) What is the 5<sup>th</sup> ? A
- 3) What is the 7<sup>th</sup> ? C#
- 4) What is the 2<sup>nd</sup> ? E
- 5) What is the 4<sup>th</sup> ? G
- 6) What is the 6<sup>th</sup> ? B

## In the Key of A...

- 1) What is the 3<sup>rd</sup> ? C#
- 2) What is the 5<sup>th</sup> ? E
- 3) What is the 7<sup>th</sup> ? G#
- 4) What is the 2<sup>nd</sup> ? B
- 5) What is the 4<sup>th</sup> ? D
- 6) What is the 6<sup>th</sup> ? F#

## In the Key of E...

- 1) What is the 3<sup>rd</sup> ? G#
- 2) What is the 5<sup>th</sup> ? B
- 3) What is the 7<sup>th</sup> ? D#
- 4) What is the 2<sup>nd</sup> ? F#
- 5) What is the 4<sup>th</sup> ? A
- 6) What is the 6<sup>th</sup> ? C#

## In the Key of B...

- 1) What is the 3<sup>rd</sup> ? D#
- 2) What is the 5<sup>th</sup> ? F#
- 3) What is the 7<sup>th</sup> ? A#
- 4) What is the 2<sup>nd</sup> ? C#
- 5) What is the 4<sup>th</sup> ? E
- 6) What is the 6<sup>th</sup> ? G#

## In the Key of F#...

- 1) What is the 3<sup>rd</sup> ? A#
- 2) What is the 5<sup>th</sup> ? C#
- 3) What is the 7<sup>th</sup> ? E#
- 4) What is the 2<sup>nd</sup> ? G#
- 5) What is the 4<sup>th</sup> ? B
- 6) What is the 6<sup>th</sup> ? D#

# ***More Challenging Diatonic Intervals***

This is the answer key to the Session 9 Bonus Exercise “More Challenging Diatonic Intervals” on page 82.

- |  |           |  |           |
|--|-----------|--|-----------|
| 1) In Ab, what is the 3 <sup>rd</sup> ?  | <u>C</u>  | 21) In Db, what is the 3 <sup>rd</sup> ? | <u>F</u>  |
| 2) In E, what is the 5 <sup>th</sup> ?   | <u>B</u>  | 22) In B, what is the 7 <sup>th</sup> ?  | <u>A#</u> |
| 3) In Db, what is the 2 <sup>nd</sup> ?  | <u>Eb</u> | 23) In Gb, what is the 4 <sup>th</sup> ? | <u>Cb</u> |
| 4) In B, what is the 4 <sup>th</sup> ?   | <u>E</u>  | 24) In F#, what is the 2 <sup>nd</sup> ? | <u>G#</u> |
| 5) In Gb, what is the 3 <sup>rd</sup> ?  | <u>Bb</u> | 25) In Ab, what is the 4 <sup>th</sup> ? | <u>Db</u> |
| 6) The 7 <sup>th</sup> in F# is          | <u>E#</u> | 26) The 2 <sup>nd</sup> in E is          | <u>F#</u> |
| 7) The 2 <sup>nd</sup> in Ab is          | <u>Bb</u> | 27) The 4 <sup>th</sup> in Db is         | <u>Gb</u> |
| 8) The 6 <sup>th</sup> in E is           | <u>C#</u> | 28) The 2 <sup>nd</sup> in B is          | <u>C#</u> |
| 9) The 7 <sup>th</sup> in Db is          | <u>C</u>  | 29) The 2 <sup>nd</sup> in Gb is         | <u>Ab</u> |
| 10) The 3 <sup>rd</sup> in B is          | <u>D#</u> | 30) The 4 <sup>th</sup> in F# is         | <u>B</u>  |
| 11) In Gb, what is the 6 <sup>th</sup> ? | <u>Eb</u> | 31) In Ab, what is the 6 <sup>th</sup> ? | <u>F</u>  |
| 12) In F#, what is the 5 <sup>th</sup> ? | <u>C#</u> | 32) In E, what is the 7 <sup>th</sup> ?  | <u>D#</u> |
| 13) In Ab, what is the 5 <sup>th</sup> ? | <u>Eb</u> | 33) In Db, what is the 6 <sup>th</sup> ? | <u>Bb</u> |
| 14) In E, what is the 4 <sup>th</sup> ?  | <u>A</u>  | 34) In B, what is the 6 <sup>th</sup> ?  | <u>G#</u> |
| 15) In Db, what is the 4 <sup>th</sup> ? | <u>Gb</u> | 35) In Gb, what is the 5 <sup>th</sup> ? | <u>Db</u> |
| 16) The 5 <sup>th</sup> in B is          | <u>F#</u> | 36) The 6 <sup>th</sup> in F# is         | <u>D#</u> |
| 17) The 7 <sup>th</sup> in Gb is         | <u>F</u>  | 37) The 3 <sup>rd</sup> in Ab is         | <u>C</u>  |
| 18) The 3 <sup>rd</sup> in F# is         | <u>A#</u> | 38) The 5 <sup>th</sup> in E is          | <u>B</u>  |
| 19) The 7 <sup>th</sup> in Ab is         | <u>G</u>  | 39) The 5 <sup>th</sup> in Db is         | <u>Ab</u> |
| 20) The 3 <sup>rd</sup> in E is          | <u>G#</u> | 40) The 4 <sup>th</sup> in B is          | <u>E</u>  |

# Harmonic Intervals Worksheet

This is the answer key to the Session 9 Bonus Exercise “Harmonic Intervals Worksheet” on page 83.

- |   |   |
|---|---|
| 1) In C, what is the dim. 5 <sup>th</sup> ? <u>Gb</u>   | 21) In A, what is the min. 7 <sup>th</sup> ? <u>G</u>   |
| 2) In F, what is the min. 3 <sup>rd</sup> ? <u>Ab</u>   | 22) In C, what is the aug. 5 <sup>th</sup> ? <u>G#</u>  |
| 3) In G, what is the aug. 4 <sup>th</sup> ? <u>C#</u>   | 23) In F, what is the aug. 4 <sup>th</sup> ? <u>B</u>   |
| 4) In Bb, what is the min. 2 <sup>nd</sup> ? <u>Cb</u>  | 24) In G, what is the aug. 5 <sup>th</sup> ? <u>D#</u>  |
| 5) In D, what is the aug. 5 <sup>th</sup> ? <u>A#</u>   | 25) In Bb, what is the min. 7 <sup>th</sup> ? <u>Ab</u> |
| 6) The min 7 <sup>th</sup> in Eb is <u>Db</u>           | 26) The min. 2 <sup>nd</sup> in D is <u>Eb</u>          |
| 7) The min 2 <sup>nd</sup> in A is <u>Bb</u>            | 27) The aug. 2 <sup>nd</sup> in Eb is <u>F#</u>         |
| 8) The aug. 6 <sup>th</sup> in C is <u>A#</u>           | 28) The min. 3 <sup>rd</sup> in A is <u>C</u>           |
| 9) The min. 7 <sup>th</sup> in F is <u>Eb</u>           | 29) The min. 7 <sup>th</sup> in C is <u>Bb</u>          |
| 10) The min. 3 <sup>rd</sup> in G is <u>Bb</u>          | 30) The aug. 2 <sup>nd</sup> in F is <u>G#</u>          |
| 11) In Bb, what is the aug. 6 <sup>th</sup> ? <u>G#</u> | 31) In G, what is the dim. 5 <sup>th</sup> ? <u>Db</u>  |
| 12) In D, what is the dim. 5 <sup>th</sup> ? <u>Ab</u>  | 32) In Bb, what is the aug. 5 <sup>th</sup> ? <u>F#</u> |
| 13) In Eb, what is the min. 3 <sup>rd</sup> ? <u>Gb</u> | 33) In D, what is the min. 3 <sup>rd</sup> ? <u>F</u>   |
| 14) In A, what is the aug. 4 <sup>th</sup> ? <u>D#</u>  | 34) In Eb, what is the min. 2 <sup>nd</sup> ? <u>Fb</u> |
| 15) In C, what is the min. 2 <sup>nd</sup> ? <u>Db</u>  | 35) In A, what is the dim. 5 <sup>th</sup> ? <u>Eb</u>  |
| 16) The min. 2 <sup>nd</sup> in F is <u>Gb</u>          | 36) The min. 3 <sup>rd</sup> in C is <u>Eb</u>          |
| 17) The min. 7 <sup>th</sup> in G is <u>F</u>           | 37) The aug. 5 <sup>th</sup> in F is <u>C#</u>          |
| 18) The min. 3 <sup>rd</sup> in Bb is <u>Db</u>         | 38) The aug. 2 <sup>nd</sup> in G is <u>A#</u>          |
| 19) The min. 7 <sup>th</sup> in D is <u>C</u>           | 39) The dim. 5 <sup>th</sup> in Bb is <u>Fb</u>         |
| 20) The aug. 5 <sup>th</sup> in Eb is <u>B</u>          | 40) The aug. 2 <sup>nd</sup> in D is <u>E#</u>          |

# Harmonic Intervals by Key Worksheet

This is the answer key to the Session 9 Bonus Exercise "Harmonic Intervals by Key Worksheet" on page 84.

## In the Key of C...

- 1) What is the minor 3<sup>rd</sup>? Eb
- 2) What is the minor 7<sup>th</sup>? Bb
- 3) What is the aug. 5<sup>th</sup>? G#
- 4) What is the minor 2<sup>nd</sup>? Db
- 5) What is the aug. 4<sup>th</sup>? F#
- 6) What is the aug. 2<sup>nd</sup>? D#
- 7) What is the dim. 5<sup>th</sup>? Gb

## In the Key of F...

- 1) What is the minor 3<sup>rd</sup>? Ab
- 2) What is the minor 7<sup>th</sup>? Eb
- 3) What is the aug. 5<sup>th</sup>? C#
- 4) What is the minor 2<sup>nd</sup>? Gb
- 5) What is the aug. 4<sup>th</sup>? B
- 6) What is the aug. 2<sup>nd</sup>? G#
- 7) What is the dim. 5<sup>th</sup>? Cb

## In the Key of Bb...

- 1) What is the minor 3<sup>rd</sup>? Db
- 2) What is the minor 7<sup>th</sup>? Ab
- 3) What is the aug. 5<sup>th</sup>? F#
- 4) What is the minor 2<sup>nd</sup>? Cb
- 5) What is the aug. 4<sup>th</sup>? E
- 6) What is the aug. 2<sup>nd</sup>? C#
- 7) What is the dim. 5<sup>th</sup>? Fb

## In the Key of Eb...

- 1) What is the minor 3<sup>rd</sup>? Gb
- 2) What is the minor 7<sup>th</sup>? Db
- 3) What is the aug. 5<sup>th</sup>? B
- 4) What is the minor 2<sup>nd</sup>? Fb
- 5) What is the aug. 4<sup>th</sup>? A
- 6) What is the aug. 2<sup>nd</sup>? F#
- 7) What is the dim. 5<sup>th</sup>? Bbb

## In the Key of Ab...

- 1) What is the minor 3<sup>rd</sup>? Cb
- 2) What is the minor 7<sup>th</sup>? Gb
- 3) What is the aug. 5<sup>th</sup>? E
- 4) What is the minor 2<sup>nd</sup>? Bbb
- 5) What is the aug. 4<sup>th</sup>? D
- 6) What is the aug. 2<sup>nd</sup>? B
- 7) What is the dim. 5<sup>th</sup>? Ebb

## In the Key of Db...

- 1) What is the minor 3<sup>rd</sup>? Fb
- 2) What is the minor 7<sup>th</sup>? Cb
- 3) What is the aug. 5<sup>th</sup>? A
- 4) What is the minor 2<sup>nd</sup>? Ebb
- 5) What is the aug. 4<sup>th</sup>? G
- 6) What is the aug. 2<sup>nd</sup>? E
- 7) What is the dim. 5<sup>th</sup>? Abb

## In the Key of Gb...

- 1) What is the minor 3<sup>rd</sup>? Bbb
- 2) What is the minor 7<sup>th</sup>? Fb
- 3) What is the aug. 5<sup>th</sup>? D
- 4) What is the minor 2<sup>nd</sup>? Abb
- 5) What is the aug. 4<sup>th</sup>? C
- 6) What is the aug. 2<sup>nd</sup>? A
- 7) What is the dim. 5<sup>th</sup>? Dbb

## In the Key of G...

- 1) What is the minor 3<sup>rd</sup>? Bb
- 2) What is the minor 7<sup>th</sup>? F
- 3) What is the aug. 5<sup>th</sup>? D#
- 4) What is the minor 2<sup>nd</sup>? Ab
- 5) What is the aug. 4<sup>th</sup>? C#
- 6) What is the aug. 2<sup>nd</sup>? A#
- 7) What is the dim. 5<sup>th</sup>? Db

## In the Key of D...

- 1) What is the minor 3<sup>rd</sup>? F
- 2) What is the minor 7<sup>th</sup>? C
- 3) What is the aug. 5<sup>th</sup>? A#
- 4) What is the minor 2<sup>nd</sup>? Eb
- 5) What is the aug. 4<sup>th</sup>? G#
- 6) What is the aug. 2<sup>nd</sup>? E#
- 7) What is the dim. 5<sup>th</sup>? Ab

## In the Key of A...

- 1) What is the minor 3<sup>rd</sup>? C
- 2) What is the minor 7<sup>th</sup>? G
- 3) What is the aug. 5<sup>th</sup>? E#
- 4) What is the minor 2<sup>nd</sup>? Bb
- 5) What is the aug. 4<sup>th</sup>? D#
- 6) What is the aug. 2<sup>nd</sup>? B#
- 7) What is the dim. 5<sup>th</sup>? Eb

## In the Key of E...

- 1) What is the minor 3<sup>rd</sup>? G
- 2) What is the minor 7<sup>th</sup>? D
- 3) What is the aug. 5<sup>th</sup>? B#
- 4) What is the minor 2<sup>nd</sup>? F
- 5) What is the aug. 4<sup>th</sup>? A#
- 6) What is the aug. 2<sup>nd</sup>? F##
- 7) What is the dim. 5<sup>th</sup>? Bb

## In the Key of B...

- 1) What is the minor 3<sup>rd</sup>? D
- 2) What is the minor 7<sup>th</sup>? A
- 3) What is the aug. 5<sup>th</sup>? F##
- 4) What is the minor 2<sup>nd</sup>? C
- 5) What is the aug. 4<sup>th</sup>? E#
- 6) What is the aug. 2<sup>nd</sup>? C##
- 7) What is the dim. 5<sup>th</sup>? F

## In the Key of F#...

- 1) What is the minor 3<sup>rd</sup>? A
- 2) What is the minor 7<sup>th</sup>? E
- 3) What is the aug. 5<sup>th</sup>? C##
- 4) What is the minor 2<sup>nd</sup>? G
- 5) What is the aug. 4<sup>th</sup>? B#
- 6) What is the aug. 2<sup>nd</sup>? G##
- 7) What is the dim. 5<sup>th</sup>? C

# *The Most Important Harmonic Intervals*

This is the answer key to the Session 9 Bonus Exercise “The Most Important Harmonic Intervals” on page 86.

In the Key of C... 1) What is the minor 3 <sup>rd</sup> ? <u>E<sub>b</sub></u> 2) What is the minor 7 <sup>th</sup> ? <u>B<sub>b</sub></u> 3) What is the aug. 5 <sup>th</sup> ? <u>G<sub>#</sub></u> 4) What is the dim. 5 <sup>th</sup> ? <u>G<sub>b</sub></u>		
In the Key of F... 1) What is the minor 3 <sup>rd</sup> ? <u>A<sub>b</sub></u> 2) What is the minor 7 <sup>th</sup> ? <u>E<sub>b</sub></u> 3) What is the aug. 5 <sup>th</sup> ? <u>C<sub>#</sub></u> 4) What is the dim. 5 <sup>th</sup> ? <u>C<sub>b</sub></u>	In the Key of B <sub>b</sub> ... 1) What is the minor 3 <sup>rd</sup> ? <u>D<sub>b</sub></u> 2) What is the minor 7 <sup>th</sup> ? <u>A<sub>b</sub></u> 3) What is the aug. 5 <sup>th</sup> ? <u>F<sub>#</sub></u> 4) What is the dim. 5 <sup>th</sup> ? <u>F<sub>b</sub></u>	In the Key of E <sub>b</sub> ... 1) What is the minor 3 <sup>rd</sup> ? <u>G<sub>b</sub></u> 2) What is the minor 7 <sup>th</sup> ? <u>D<sub>b</sub></u> 3) What is the aug. 5 <sup>th</sup> ? <u>B</u> 4) What is the dim. 5 <sup>th</sup> ? <u>B<sub>bb</sub></u>
In the Key of A <sub>b</sub> ... 1) What is the minor 3 <sup>rd</sup> ? <u>C<sub>b</sub></u> 2) What is the minor 7 <sup>th</sup> ? <u>G<sub>b</sub></u> 3) What is the aug. 5 <sup>th</sup> ? <u>E</u> 4) What is the dim. 5 <sup>th</sup> ? <u>E<sub>bb</sub></u>	In the Key of D <sub>b</sub> ... 1) What is the minor 3 <sup>rd</sup> ? <u>F<sub>b</sub></u> 2) What is the minor 7 <sup>th</sup> ? <u>C<sub>b</sub></u> 3) What is the aug. 5 <sup>th</sup> ? <u>A</u> 4) What is the dim. 5 <sup>th</sup> ? <u>A<sub>bb</sub></u>	In the Key of G <sub>b</sub> ... 1) What is the minor 3 <sup>rd</sup> ? <u>B<sub>bb</sub></u> 2) What is the minor 7 <sup>th</sup> ? <u>F<sub>b</sub></u> 3) What is the aug. 5 <sup>th</sup> ? <u>D</u> 4) What is the dim. 5 <sup>th</sup> ? <u>D<sub>bb</sub></u>
In the Key of G... 1) What is the minor 3 <sup>rd</sup> ? <u>B<sub>b</sub></u> 2) What is the minor 7 <sup>th</sup> ? <u>F</u> 3) What is the aug. 5 <sup>th</sup> ? <u>D<sub>#</sub></u> 4) What is the dim. 5 <sup>th</sup> ? <u>D<sub>b</sub></u>	In the Key of D... 1) What is the minor 3 <sup>rd</sup> ? <u>F</u> 2) What is the minor 7 <sup>th</sup> ? <u>C</u> 3) What is the aug. 5 <sup>th</sup> ? <u>A<sub>#</sub></u> 4) What is the dim. 5 <sup>th</sup> ? <u>A<sub>b</sub></u>	In the Key of A... 1) What is the minor 3 <sup>rd</sup> ? <u>C</u> 2) What is the minor 7 <sup>th</sup> ? <u>G</u> 3) What is the aug. 5 <sup>th</sup> ? <u>E<sub>#</sub></u> 4) What is the dim. 5 <sup>th</sup> ? <u>E<sub>b</sub></u>
In the Key of E... 1) What is the minor 3 <sup>rd</sup> ? <u>G</u> 2) What is the minor 7 <sup>th</sup> ? <u>D</u> 3) What is the aug. 5 <sup>th</sup> ? <u>B<sub>#</sub></u> 4) What is the dim. 5 <sup>th</sup> ? <u>B<sub>b</sub></u>	In the Key of B... 1) What is the minor 3 <sup>rd</sup> ? <u>D</u> 2) What is the minor 7 <sup>th</sup> ? <u>A</u> 3) What is the aug. 5 <sup>th</sup> ? <u>F<sub>#</sub> #</u> 4) What is the dim. 5 <sup>th</sup> ? <u>F</u>	In the Key of F <sub>#</sub> ... 1) What is the minor 3 <sup>rd</sup> ? <u>A</u> 2) What is the minor 7 <sup>th</sup> ? <u>E</u> 3) What is the aug. 5 <sup>th</sup> ? <u>C<sub>#</sub> #</u> 4) What is the dim. 5 <sup>th</sup> ? <u>C</u>

# Ultimate Interval Challenge

This is the answer key to the Session 9 Bonus Exercise “Ultimate Interval Challenge” on page 87.

- |   |            |  |            |
|---|------------|--|------------|
| 1) In C, what is the augmented 2 <sup>nd</sup> ?    | <u>D#</u>  | 21) In G, what is the diminished 5 <sup>th</sup> ? | <u>Db</u>  |
| 2) In F, what is the perfect 4 <sup>th</sup> ?      | <u>Bb</u>  | 22) In D, what is the 7 <sup>th</sup> ?            | <u>C#</u>  |
| 3) In Bb, what is the minor 6 <sup>th</sup> ?       | <u>Gb</u>  | 23) In A, what is the augmented 4 <sup>th</sup> ?  | <u>D#</u>  |
| 4) In Eb, what is the major 7 <sup>th</sup> ?       | <u>D</u>   | 24) In E, what is the major 7 <sup>th</sup> ?      | <u>D#</u>  |
| 5) In Ab, what is the diminished 5 <sup>th</sup> ?  | <u>Ebb</u> | 25) In B, what is the minor 3 <sup>rd</sup> ?      | <u>D</u>   |
| 6) The 3 <sup>rd</sup> in Db is                     | <u>F</u>   | 26) The 7 <sup>th</sup> in F# is                   | <u>E#</u>  |
| 7) The augmented 2 <sup>nd</sup> in Gb is           | <u>A</u>   | 27) The diminished 5 <sup>th</sup> in C is         | <u>Gb</u>  |
| 8) The major 6 <sup>th</sup> in G is                | <u>E</u>   | 28) The major 2 <sup>nd</sup> in F is              | <u>G</u>   |
| 9) The minor 7 <sup>th</sup> in D is                | <u>C</u>   | 29) The minor 3 <sup>rd</sup> in Bb is             | <u>Db</u>  |
| 10) The 5 <sup>th</sup> in A is                     | <u>E</u>   | 30) The perfect 5 <sup>th</sup> in Eb is           | <u>Bb</u>  |
| 11) In E, what is the minor 2 <sup>nd</sup> ?       | <u>F</u>   | 31) In Ab, what is the augmented 2 <sup>nd</sup> ? | <u>B</u>   |
| 12) In B, what is the major 7 <sup>th</sup> ?       | <u>A#</u>  | 32) In Db, what is the 4 <sup>th</sup> ?           | <u>Gb</u>  |
| 13) In F#, what is the diminished 5 <sup>th</sup> ? | <u>C</u>   | 33) In Gb, what is the minor 3 <sup>rd</sup> ?     | <u>Bbb</u> |
| 14) In C, what is the perfect 4 <sup>th</sup> ?     | <u>F</u>   | 34) In G, what is the 7 <sup>th</sup> ?            | <u>F#</u>  |
| 15) In F, what is the minor 7 <sup>th</sup> ?       | <u>Eb</u>  | 35) In D, what is the augmented 4 <sup>th</sup> ?  | <u>G#</u>  |
| 16) The major 2 <sup>nd</sup> in Bb is              | <u>C</u>   | 36) The minor 3 <sup>rd</sup> in A is              | <u>C</u>   |
| 17) The augmented 4 <sup>th</sup> in Eb is          | <u>A</u>   | 37) The major 6 <sup>th</sup> in E is              | <u>C#</u>  |
| 18) The 6 <sup>th</sup> in Ab is                    | <u>F</u>   | 38) The augmented 2 <sup>nd</sup> in B is          | <u>C##</u> |
| 19) The minor 7 <sup>th</sup> in Db is              | <u>Cb</u>  | 39) The 3 <sup>rd</sup> in F# is                   | <u>A#</u>  |
| 20) The perfect 5 <sup>th</sup> in Gb is            | <u>Db</u>  | 40) The octave in C is                             | <u>C</u>   |

# ***Pentatonic Scales Worksheet***

This is the answer key to the Session 11 Bonus Exercise "Pentatonic Scales Worksheet" on page 102.

**C   D   E   G   A**

## ***SHARP KEYS***

## ***FLAT KEYS***

**G   A   B   D   E**

**F   G   A   C   D**

**D   E   F#   A   B**

**Bb   C   D   F   G**

**A   B   C#   E   F#**

**Eb   F   G   Bb   C**

**E   F#   G#   B   C#**

**Ab   Bb   C   Eb   F**

**B   C#   D#   F#   G#**

**Db   Eb   F   Ab   Bb**

**F#   G#   A#   C#   D#**

**Gb   Ab   Bb   Db   Eb**



# ***Pentatonic Scale Ultimate Mix Up***

This is the answer key to the Session 11 Bonus Exercise “Pentatonic Scale Ultimate Mix Up” on page 103.

## *Key Signature*

- 1) 
- 2) 
- 3) 
- 4) 
- 5) 
- 6) 
- 7) 
- 8) 
- 9) 
- 10) 
- 11) 
- 12) 
- 13) 

## *What's the Pentatonic Scale?*

- |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| <u>D</u>  | <u>E</u>  | <u>F#</u> | <u>A</u>  | <u>B</u>  |
| <u>E</u>  | <u>F#</u> | <u>G#</u> | <u>B</u>  | <u>C#</u> |
| <u>G</u>  | <u>A</u>  | <u>B</u>  | <u>D</u>  | <u>E</u>  |
| <u>B</u>  | <u>C#</u> | <u>D#</u> | <u>F#</u> | <u>G#</u> |
| <u>Ab</u> | <u>Bb</u> | <u>C</u>  | <u>Eb</u> | <u>F</u>  |
| <u>Bb</u> | <u>C</u>  | <u>D</u>  | <u>F</u>  | <u>G</u>  |
| <u>Gb</u> | <u>Ab</u> | <u>Bb</u> | <u>Db</u> | <u>Eb</u> |
| <u>Eb</u> | <u>F</u>  | <u>G</u>  | <u>Bb</u> | <u>C</u>  |
| <u>A</u>  | <u>B</u>  | <u>C#</u> | <u>E</u>  | <u>F#</u> |
| <u>F</u>  | <u>G</u>  | <u>A</u>  | <u>C</u>  | <u>D</u>  |
| <u>C</u>  | <u>D</u>  | <u>E</u>  | <u>G</u>  | <u>A</u>  |
| <u>Db</u> | <u>Eb</u> | <u>F</u>  | <u>Gb</u> | <u>Ab</u> |
| <u>F#</u> | <u>G#</u> | <u>A#</u> | <u>C#</u> | <u>D#</u> |

# Triads by Key Worksheet

This is the answer key for the Session 13 Exercise "Triads by Key Worksheet" on page 115.

Triad Types	Formulas
Major	1 - 3 - 5
Minor	1 - b3 - 5
Augmented	1 - 3 - #5
Diminished	1 - b3 - b5

C Major	<u>C</u>	<u>E</u>	<u>G</u>
C Minor	<u>C</u>	<u>E<sup>b</sup></u>	<u>G</u>
C Augmented	<u>C</u>	<u>E</u>	<u>G<sup>#</sup></u>
C Diminished	<u>C</u>	<u>E<sup>b</sup></u>	<u>G<sup>b</sup></u>
E <sup>b</sup> Major	<u>E<sup>b</sup></u>	<u>G</u>	<u>B<sup>b</sup></u>
E <sup>b</sup> Minor	<u>E<sup>b</sup></u>	<u>G<sup>b</sup></u>	<u>B<sup>b</sup></u>
E <sup>b</sup> Augmented	<u>E<sup>b</sup></u>	<u>G</u>	<u>B</u>
E <sup>b</sup> Diminished	<u>E<sup>b</sup></u>	<u>G<sup>b</sup></u>	<u>B<sup>bb</sup></u>
F Major	<u>F</u>	<u>A</u>	<u>C</u>
F Minor	<u>F</u>	<u>A<sup>b</sup></u>	<u>C</u>
F Augmented	<u>F</u>	<u>A</u>	<u>C<sup>#</sup></u>
F Diminished	<u>F</u>	<u>A<sup>b</sup></u>	<u>C<sup>b</sup></u>
A Major	<u>A</u>	<u>C<sup>#</sup></u>	<u>E</u>
A Minor	<u>A</u>	<u>C</u>	<u>E</u>
A Augmented	<u>A</u>	<u>C<sup>#</sup></u>	<u>E<sup>#</sup></u>
A Diminished	<u>A</u>	<u>C</u>	<u>E<sup>b</sup></u>
G Major	<u>G</u>	<u>B</u>	<u>D</u>
G Minor	<u>G</u>	<u>B<sup>b</sup></u>	<u>D</u>
G Augmented	<u>G</u>	<u>B</u>	<u>D<sup>#</sup></u>
G Diminished	<u>G</u>	<u>B<sup>b</sup></u>	<u>D<sup>b</sup></u>
A <sup>b</sup> Major	<u>A<sup>b</sup></u>	<u>C</u>	<u>E<sup>b</sup></u>
A <sup>b</sup> Minor	<u>A<sup>b</sup></u>	<u>C<sup>b</sup></u>	<u>E<sup>b</sup></u>
A <sup>b</sup> Augmented	<u>A<sup>b</sup></u>	<u>C</u>	<u>E</u>
A <sup>b</sup> Diminished	<u>A<sup>b</sup></u>	<u>C<sup>b</sup></u>	<u>E<sup>bb</sup></u>
B <sup>b</sup> Major	<u>B<sup>b</sup></u>	<u>D</u>	<u>F</u>
B <sup>b</sup> Minor	<u>B<sup>b</sup></u>	<u>D<sup>b</sup></u>	<u>F</u>
B <sup>b</sup> Augmented	<u>B<sup>b</sup></u>	<u>D</u>	<u>F<sup>#</sup></u>
B <sup>b</sup> Diminished	<u>B<sup>b</sup></u>	<u>D<sup>b</sup></u>	<u>F<sup>b</sup></u>
E Major	<u>E</u>	<u>G<sup>#</sup></u>	<u>B</u>
E Minor	<u>E</u>	<u>G</u>	<u>B</u>
E Augmented	<u>E</u>	<u>G<sup>#</sup></u>	<u>B<sup>#</sup></u>
E Diminished	<u>E</u>	<u>G</u>	<u>B<sup>b</sup></u>
D Major	<u>D</u>	<u>F<sup>#</sup></u>	<u>A</u>
D Minor	<u>D</u>	<u>F</u>	<u>A</u>
D Augmented	<u>D</u>	<u>F<sup>#</sup></u>	<u>A<sup>#</sup></u>
D Diminished	<u>D</u>	<u>F</u>	<u>A<sup>b</sup></u>
D <sup>b</sup> Major	<u>D<sup>b</sup></u>	<u>F</u>	<u>A<sup>b</sup></u>
D <sup>b</sup> Minor	<u>D<sup>b</sup></u>	<u>F<sup>b</sup></u>	<u>A<sup>b</sup></u>
D <sup>b</sup> Augmented	<u>D<sup>b</sup></u>	<u>F</u>	<u>A</u>
D <sup>b</sup> Diminished	<u>D<sup>b</sup></u>	<u>F<sup>b</sup></u>	<u>A<sup>bb</sup></u>

# Triads Worksheet

This is the answer key for the Session 13 Exercise "Triads Worksheet" on page 116.

1) C Minor	<u>C</u>	<u>E<math>\flat</math></u>	<u>G</u>
2) F Major	<u>F</u>	<u>A</u>	<u>C</u>
3) G Minor	<u>G</u>	<u>B<math>\flat</math></u>	<u>D</u>
4) B $\flat$ Diminished	<u>B<math>\flat</math></u>	<u>D<math>\flat</math></u>	<u>F<math>\flat</math></u>
5) D Augmented	<u>D</u>	<u>F<math>\sharp</math></u>	<u>A<math>\sharp</math></u>
6) E $\flat$ Minor	<u>E<math>\flat</math></u>	<u>G<math>\flat</math></u>	<u>B<math>\flat</math></u>
7) A Major	<u>A</u>	<u>C<math>\sharp</math></u>	<u>E</u>
8) A $\flat$ Minor	<u>A<math>\flat</math></u>	<u>C<math>\flat</math></u>	<u>E<math>\flat</math></u>
9) E Augmented	<u>E</u>	<u>G<math>\sharp</math></u>	<u>B<math>\sharp</math></u>
10) D $\flat$ Major	<u>D<math>\flat</math></u>	<u>F</u>	<u>A<math>\flat</math></u>
11) B Minor	<u>B</u>	<u>D</u>	<u>F<math>\sharp</math></u>
12) G $\flat$ Major	<u>G<math>\flat</math></u>	<u>B<math>\flat</math></u>	<u>D<math>\flat</math></u>
13) F $\sharp$ Minor	<u>F<math>\sharp</math></u>	<u>A</u>	<u>C<math>\sharp</math></u>
14) C Major	<u>C</u>	<u>E</u>	<u>G</u>
15) F Diminished	<u>F</u>	<u>A<math>\flat</math></u>	<u>C<math>\flat</math></u>
16) G Augmented	<u>G</u>	<u>B</u>	<u>D<math>\sharp</math></u>
17) B $\flat$ Minor	<u>B<math>\flat</math></u>	<u>D<math>\flat</math></u>	<u>F</u>
18) D Diminished	<u>D</u>	<u>F</u>	<u>A<math>\flat</math></u>
19) E $\flat$ Augmented	<u>E<math>\flat</math></u>	<u>G</u>	<u>B</u>
20) A Minor	<u>A</u>	<u>C</u>	<u>E</u>

21) F Minor	<u>F</u>	<u>A<math>\flat</math></u>	<u>C</u>
22) G Major	<u>G</u>	<u>B</u>	<u>D</u>
23) C Diminished	<u>C</u>	<u>E<math>\flat</math></u>	<u>G<math>\flat</math></u>
24) B $\flat$ Augmented	<u>B<math>\flat</math></u>	<u>D</u>	<u>F<math>\sharp</math></u>
25) E $\flat$ Major	<u>E<math>\flat</math></u>	<u>G</u>	<u>B<math>\flat</math></u>
26) D Minor	<u>D</u>	<u>F</u>	<u>A</u>
27) A Diminished	<u>A</u>	<u>C</u>	<u>E<math>\flat</math></u>
28) A $\flat$ Major	<u>A<math>\flat</math></u>	<u>C</u>	<u>E<math>\flat</math></u>
29) E Minor	<u>E</u>	<u>G</u>	<u>B</u>
30) E $\flat$ Diminished	<u>E<math>\flat</math></u>	<u>G<math>\flat</math></u>	<u>B<math>\flat\flat</math></u>
31) E Major	<u>E</u>	<u>G<math>\sharp</math></u>	<u>B</u>
32) D $\flat$ Minor	<u>D<math>\flat</math></u>	<u>F<math>\flat</math></u>	<u>A<math>\flat</math></u>
33) B Major	<u>B</u>	<u>D<math>\sharp</math></u>	<u>F<math>\sharp</math></u>
34) G $\flat$ Minor	<u>G<math>\flat</math></u>	<u>B<math>\flat\flat</math></u>	<u>D<math>\flat</math></u>
35) F $\sharp$ Major	<u>F<math>\sharp</math></u>	<u>A<math>\sharp</math></u>	<u>C<math>\sharp</math></u>
36) C Augmented	<u>C</u>	<u>E</u>	<u>G<math>\sharp</math></u>
37) F Augmented	<u>F</u>	<u>A</u>	<u>C<math>\sharp</math></u>
38) G Diminished	<u>G</u>	<u>B<math>\flat</math></u>	<u>D<math>\flat</math></u>
39) B $\flat$ Major	<u>B<math>\flat</math></u>	<u>D</u>	<u>F</u>
40) D Major	<u>D</u>	<u>F<math>\sharp</math></u>	<u>A</u>

# Harmonized Major Scales Worksheet

This is the answer key for the Session 15 Exercise "Harmonized Major Scales Worksheet" on page 127.

1) In C, what is the V chord?	<u>G</u>	What notes are in it?	<u>G</u>	<u>B</u>	<u>D</u>
2) In F, what is the iii chord?	<u>Am</u>	What notes are in it?	<u>A</u>	<u>C</u>	<u>E</u>
3) In G, what is the vi chord?	<u>Em</u>	What notes are in it?	<u>E</u>	<u>G</u>	<u>B</u>
4) In Bb, what is the IV chord?	<u>Eb</u>	What notes are in it?	<u>Eb</u>	<u>G</u>	<u>Bb</u>
5) In D, what is the I chord?	<u>D</u>	What notes are in it?	<u>D</u>	<u>F#</u>	<u>A</u>
6) The ii chord in Eb is	<u>Fm</u>	What notes are in it?	<u>F</u>	<u>Ab</u>	<u>C</u>
7) The ii chord in A is	<u>Bm</u>	What notes are in it?	<u>B</u>	<u>D</u>	<u>F#</u>
8) The vi chord in C is	<u>Am</u>	What notes are in it?	<u>A</u>	<u>C</u>	<u>E</u>
9) The vii chord in F is	<u>E dim</u>	What notes are in it?	<u>E</u>	<u>G</u>	<u>Bb</u>
10) The iii chord in G is	<u>Bm</u>	What notes are in it?	<u>B</u>	<u>D</u>	<u>F#</u>
11) In Bb, what is the vi chord?	<u>Gm</u>	What notes are in it?	<u>G</u>	<u>Bb</u>	<u>D</u>
12) In D, what is the V chord?	<u>A</u>	What notes are in it?	<u>A</u>	<u>C#</u>	<u>E</u>
13) In Eb, what is the iii chord?	<u>Gm</u>	What notes are in it?	<u>G</u>	<u>Bb</u>	<u>D</u>
14) In A, what is the IV chord?	<u>D</u>	What notes are in it?	<u>D</u>	<u>F#</u>	<u>A</u>
15) In C, what is the ii chord?	<u>Dm</u>	What notes are in it?	<u>D</u>	<u>F</u>	<u>A</u>
16) The ii chord in F is	<u>Gm</u>	What notes are in it?	<u>G</u>	<u>Bb</u>	<u>D</u>
17) The I chord in G is	<u>G</u>	What notes are in it?	<u>G</u>	<u>B</u>	<u>D</u>
18) The iii chord in Bb is	<u>Dm</u>	What notes are in it?	<u>D</u>	<u>F</u>	<u>A</u>
19) The vii chord in D is	<u>C# dim</u>	What notes are in it?	<u>C#</u>	<u>E</u>	<u>G</u>
20) The V chord in Eb is	<u>Bb</u>	What notes are in it?	<u>Bb</u>	<u>D</u>	<u>F</u>

# Seventh Chords by Key

## Worksheet

This is the answer key for the Session 17 Exercise "Seventh Chords by Key Worksheet" on page 143.

Seventh Types	Formulas
Major 7 <sup>th</sup>	1 - 3 - 5 - 7
Minor 7 <sup>th</sup>	1 - b3 - 5 - b7
Dominant 7 <sup>th</sup>	1 - 3 - 5 - b7
Augmented 7 <sup>th</sup>	1 - 3 - #5 - b7
Diminished 7 <sup>th</sup>	1 - b3 - b5 - bb7
Half-Dim. 7 <sup>th</sup>	1 - b3 - b5 - b7

C Major 7 <sup>th</sup>	<u>C</u>	<u>E</u>	<u>G</u>	<u>B</u>
C Minor 7 <sup>th</sup>	<u>C</u>	<u>E<sup>b</sup></u>	<u>G</u>	<u>B<sup>b</sup></u>
C Dominant 7 <sup>th</sup>	<u>C</u>	<u>E</u>	<u>G</u>	<u>B<sup>b</sup></u>
C Augmented 7 <sup>th</sup>	<u>C</u>	<u>E</u>	<u>G<sup>#</sup></u>	<u>B<sup>b</sup></u>
C Diminished 7 <sup>th</sup>	<u>C</u>	<u>E<sup>b</sup></u>	<u>G<sup>b</sup></u>	<u>B<sup>bb</sup></u>
C Half-Dim. 7 <sup>th</sup>	<u>C</u>	<u>E<sup>b</sup></u>	<u>G<sup>b</sup></u>	<u>B<sup>b</sup></u>
B <sup>b</sup> Major 7 <sup>th</sup>	<u>B<sup>b</sup></u>	<u>D</u>	<u>F</u>	<u>A</u>
B <sup>b</sup> Minor 7 <sup>th</sup>	<u>B<sup>b</sup></u>	<u>D<sup>b</sup></u>	<u>F</u>	<u>A<sup>b</sup></u>
B <sup>b</sup> Dominant 7 <sup>th</sup>	<u>B<sup>b</sup></u>	<u>D</u>	<u>F</u>	<u>A<sup>b</sup></u>
B <sup>b</sup> Augmented 7 <sup>th</sup>	<u>B<sup>b</sup></u>	<u>D</u>	<u>F<sup>#</sup></u>	<u>A<sup>b</sup></u>
B <sup>b</sup> Diminished 7 <sup>th</sup>	<u>B<sup>b</sup></u>	<u>D<sup>b</sup></u>	<u>F<sup>b</sup></u>	<u>A<sup>bb</sup></u>
B <sup>b</sup> Half-Dim. 7 <sup>th</sup>	<u>B<sup>b</sup></u>	<u>D<sup>b</sup></u>	<u>F<sup>b</sup></u>	<u>A<sup>b</sup></u>
F Major 7 <sup>th</sup>	<u>F</u>	<u>A</u>	<u>C</u>	<u>E</u>
F Minor 7 <sup>th</sup>	<u>F</u>	<u>A<sup>b</sup></u>	<u>C</u>	<u>E<sup>b</sup></u>
F Dominant 7 <sup>th</sup>	<u>F</u>	<u>A</u>	<u>C</u>	<u>E<sup>b</sup></u>
F Augmented 7 <sup>th</sup>	<u>F</u>	<u>A</u>	<u>C<sup>#</sup></u>	<u>E<sup>b</sup></u>
F Diminished 7 <sup>th</sup>	<u>F</u>	<u>A<sup>b</sup></u>	<u>C<sup>b</sup></u>	<u>E<sup>bb</sup></u>
F Half-Dim. 7 <sup>th</sup>	<u>F</u>	<u>A<sup>b</sup></u>	<u>C<sup>b</sup></u>	<u>E<sup>b</sup></u>
D Major 7 <sup>th</sup>	<u>D</u>	<u>F<sup>#</sup></u>	<u>A</u>	<u>C<sup>#</sup></u>
D Minor 7 <sup>th</sup>	<u>D</u>	<u>F</u>	<u>A</u>	<u>C</u>
D Dominant 7 <sup>th</sup>	<u>D</u>	<u>F<sup>#</sup></u>	<u>A</u>	<u>C</u>
D Augmented 7 <sup>th</sup>	<u>D</u>	<u>F<sup>#</sup></u>	<u>A<sup>#</sup></u>	<u>C</u>
D Diminished 7 <sup>th</sup>	<u>D</u>	<u>F</u>	<u>A<sup>b</sup></u>	<u>C<sup>b</sup></u>
D Half-Dim. 7 <sup>th</sup>	<u>D</u>	<u>F</u>	<u>A<sup>b</sup></u>	<u>C</u>
E <sup>b</sup> Major 7 <sup>th</sup>	<u>E<sup>b</sup></u>	<u>G</u>	<u>B<sup>b</sup></u>	<u>D</u>
E <sup>b</sup> Minor 7 <sup>th</sup>	<u>E<sup>b</sup></u>	<u>G<sup>b</sup></u>	<u>B<sup>b</sup></u>	<u>D<sup>b</sup></u>
E <sup>b</sup> Dominant 7 <sup>th</sup>	<u>E<sup>b</sup></u>	<u>G</u>	<u>B<sup>b</sup></u>	<u>D<sup>b</sup></u>
E <sup>b</sup> Augmented 7 <sup>th</sup>	<u>E<sup>b</sup></u>	<u>G</u>	<u>B</u>	<u>D<sup>b</sup></u>
E <sup>b</sup> Diminished 7 <sup>th</sup>	<u>E<sup>b</sup></u>	<u>G<sup>b</sup></u>	<u>B<sup>bb</sup></u>	<u>D<sup>bb</sup></u>
E <sup>b</sup> Half-Dim. 7 <sup>th</sup>	<u>E<sup>b</sup></u>	<u>G<sup>b</sup></u>	<u>B<sup>bb</sup></u>	<u>D<sup>b</sup></u>
G Major 7 <sup>th</sup>	<u>G</u>	<u>B</u>	<u>D</u>	<u>F<sup>#</sup></u>
G Minor 7 <sup>th</sup>	<u>G</u>	<u>B<sup>b</sup></u>	<u>D</u>	<u>F</u>
G Dominant 7 <sup>th</sup>	<u>G</u>	<u>B</u>	<u>D</u>	<u>F</u>
G Augmented 7 <sup>th</sup>	<u>G</u>	<u>B</u>	<u>D<sup>#</sup></u>	<u>F</u>
G Diminished 7 <sup>th</sup>	<u>G</u>	<u>B<sup>b</sup></u>	<u>D<sup>b</sup></u>	<u>F<sup>b</sup></u>
G Half-Dim. 7 <sup>th</sup>	<u>G</u>	<u>B<sup>b</sup></u>	<u>D<sup>b</sup></u>	<u>F</u>

A Major 7 <sup>th</sup>	<u>A</u>	<u>C#</u>	<u>E</u>	<u>G#</u>	B Major 7 <sup>th</sup>	<u>B</u>	<u>D#</u>	<u>F#</u>	<u>A#</u>
A Minor 7 <sup>th</sup>	<u>A</u>	<u>C</u>	<u>E</u>	<u>G</u>	B Minor 7 <sup>th</sup>	<u>B</u>	<u>D</u>	<u>F#</u>	<u>A</u>
A Dominant 7 <sup>th</sup>	<u>A</u>	<u>C#</u>	<u>E</u>	<u>G</u>	B Dominant 7 <sup>th</sup>	<u>B</u>	<u>D#</u>	<u>F#</u>	<u>A</u>
A Augmented 7 <sup>th</sup>	<u>A</u>	<u>C#</u>	<u>E#</u>	<u>G</u>	B Augmented 7 <sup>th</sup>	<u>B</u>	<u>D#</u>	<u>F##</u>	<u>A</u>
A Diminished 7 <sup>th</sup>	<u>A</u>	<u>C</u>	<u>Eb</u>	<u>Gb</u>	B Diminished 7 <sup>th</sup>	<u>B</u>	<u>D</u>	<u>F</u>	<u>Ab</u>
A Half-Dim. 7 <sup>th</sup>	<u>A</u>	<u>C</u>	<u>Eb</u>	<u>G</u>	B Half-Dim. 7 <sup>th</sup>	<u>B</u>	<u>D</u>	<u>F</u>	<u>A</u>
Ab Major 7 <sup>th</sup>	<u>Ab</u>	<u>C</u>	<u>Eb</u>	<u>G</u>	Gb Major 7 <sup>th</sup>	<u>Gb</u>	<u>Bb</u>	<u>Db</u>	<u>F</u>
Ab Minor 7 <sup>th</sup>	<u>Ab</u>	<u>Cb</u>	<u>Eb</u>	<u>Gb</u>	Gb Minor 7 <sup>th</sup>	<u>Gb</u>	<u>Bbb</u>	<u>Db</u>	<u>Fb</u>
Ab Dominant 7 <sup>th</sup>	<u>Ab</u>	<u>C</u>	<u>Eb</u>	<u>Gb</u>	Gb Dominant 7 <sup>th</sup>	<u>Gb</u>	<u>Bb</u>	<u>Db</u>	<u>Fb</u>
Ab Augmented 7 <sup>th</sup>	<u>Ab</u>	<u>C</u>	<u>E</u>	<u>Gb</u>	Gb Augmented 7 <sup>th</sup>	<u>Gb</u>	<u>Bb</u>	<u>D</u>	<u>Fb</u>
Ab Diminished 7 <sup>th</sup>	<u>Ab</u>	<u>Cb</u>	<u>Ebb</u>	<u>Gbb</u>	Gb Diminished 7 <sup>th</sup>	<u>Gb</u>	<u>Bbb</u>	<u>Dbb</u>	<u>Fbb</u>
Ab Half-Dim. 7 <sup>th</sup>	<u>Ab</u>	<u>Cb</u>	<u>Ebb</u>	<u>Gb</u>	Gb Half-Dim. 7 <sup>th</sup>	<u>Gb</u>	<u>Bbb</u>	<u>Dbb</u>	<u>Fb</u>
E Major 7 <sup>th</sup>	<u>E</u>	<u>G#</u>	<u>B</u>	<u>D#</u>	F# Major 7 <sup>th</sup>	<u>F#</u>	<u>A#</u>	<u>C#</u>	<u>E#</u>
E Minor 7 <sup>th</sup>	<u>E</u>	<u>G</u>	<u>B</u>	<u>D</u>	F# Minor 7 <sup>th</sup>	<u>F#</u>	<u>A</u>	<u>C#</u>	<u>E</u>
E Dominant 7 <sup>th</sup>	<u>E</u>	<u>G#</u>	<u>B</u>	<u>D</u>	F# Dominant 7 <sup>th</sup>	<u>F#</u>	<u>A#</u>	<u>C#</u>	<u>E</u>
E Augmented 7 <sup>th</sup>	<u>E</u>	<u>G#</u>	<u>B#</u>	<u>D</u>	F# Augmented 7 <sup>th</sup>	<u>F#</u>	<u>A#</u>	<u>C##</u>	<u>E</u>
E Diminished 7 <sup>th</sup>	<u>E</u>	<u>G</u>	<u>Bb</u>	<u>Db</u>	F# Diminished 7 <sup>th</sup>	<u>F#</u>	<u>A</u>	<u>C</u>	<u>Eb</u>
E Half-Dim. 7 <sup>th</sup>	<u>E</u>	<u>G</u>	<u>Bb</u>	<u>D</u>	F# Half-Dim. 7 <sup>th</sup>	<u>F#</u>	<u>A</u>	<u>C</u>	<u>E</u>
Db Major 7 <sup>th</sup>	<u>Db</u>	<u>F</u>	<u>Ab</u>	<u>C</u>					
Db Minor 7 <sup>th</sup>	<u>Db</u>	<u>Fb</u>	<u>Ab</u>	<u>Cb</u>					
Db Dominant 7 <sup>th</sup>	<u>Db</u>	<u>F</u>	<u>Ab</u>	<u>Cb</u>					
Db Augmented 7 <sup>th</sup>	<u>Db</u>	<u>F</u>	<u>A</u>	<u>Cb</u>					
Db Diminished 7 <sup>th</sup>	<u>Db</u>	<u>Fb</u>	<u>Abb</u>	<u>Cbb</u>					
Db Half-Dim. 7 <sup>th</sup>	<u>Db</u>	<u>Fb</u>	<u>Abb</u>	<u>Cb</u>					

# Seventh Chords Worksheet

This is the answer key to the Session 17 Bonus Exercise "Seventh Chords Worksheet" on page 145.

1) Cm7	<u>C</u>	<u>E<sub>b</sub></u>	<u>G</u>	<u>B<sub>b</sub></u>
2) Fmaj7	<u>F</u>	<u>A</u>	<u>C</u>	<u>E</u>
3) G7	<u>G</u>	<u>B</u>	<u>D</u>	<u>F</u>
4) B <sup>0</sup> <sub>b</sub> 7	<u>B<sub>b</sub></u>	<u>D<sub>b</sub></u>	<u>F<sub>b</sub></u>	<u>A<sub>b</sub></u>
5) D <sup>aug</sup> 7	<u>D</u>	<u>F<sup>#</sup></u>	<u>A<sup>#</sup></u>	<u>C</u>
6) E <sub>b</sub> 7	<u>E<sub>b</sub></u>	<u>G</u>	<u>B<sub>b</sub></u>	<u>D<sub>b</sub></u>
7) A <sub>m</sub> 7	<u>A</u>	<u>C</u>	<u>E</u>	<u>G</u>
8) A <sup>Δ</sup> <sub>b</sub> 7	<u>A<sub>b</sub></u>	<u>C</u>	<u>E<sub>b</sub></u>	<u>G</u>
9) E <sup>+</sup> 7	<u>E</u>	<u>G<sup>#</sup></u>	<u>B<sup>#</sup></u>	<u>D</u>
10) D <sub>b</sub> maj7	<u>D<sub>b</sub></u>	<u>F</u>	<u>A<sub>b</sub></u>	<u>C</u>
11) B <sub>m</sub> 7	<u>B</u>	<u>D</u>	<u>F<sup>#</sup></u>	<u>A</u>
12) G <sub>b</sub> 7	<u>G<sub>b</sub></u>	<u>B<sub>b</sub></u>	<u>D<sub>b</sub></u>	<u>F<sub>b</sub></u>
13) F <sup>#</sup> <sub>m</sub> 7	<u>F<sup>#</sup></u>	<u>A</u>	<u>C<sup>#</sup></u>	<u>E</u>
14) C <sup>Ø</sup>	<u>C</u>	<u>E<sub>b</sub></u>	<u>G<sub>b</sub></u>	<u>B<sub>b</sub></u>

15) F7	<u>F</u>	<u>A</u>	<u>C</u>	<u>E<sub>b</sub></u>
16) G <sub>m</sub> 7	<u>G</u>	<u>B<sub>b</sub></u>	<u>D</u>	<u>F</u>
17) B <sub>b</sub> maj7	<u>B<sub>b</sub></u>	<u>D</u>	<u>F</u>	<u>A</u>
18) D7	<u>D</u>	<u>F<sup>#</sup></u>	<u>A</u>	<u>C</u>
19) E <sub>b</sub> <sub>m</sub> 7	<u>E<sub>b</sub></u>	<u>G<sub>b</sub></u>	<u>B<sub>b</sub></u>	<u>D<sub>b</sub></u>
20) A <sub>m</sub> aj7	<u>A</u>	<u>C<sup>#</sup></u>	<u>E</u>	<u>G<sup>#</sup></u>
21) F <sub>m</sub> 7	<u>F</u>	<u>A<sub>b</sub></u>	<u>C</u>	<u>E<sub>b</sub></u>
22) G <sup>+</sup> 7	<u>G</u>	<u>B</u>	<u>D<sup>#</sup></u>	<u>F</u>
23) C <sup>0</sup> 7	<u>C</u>	<u>E<sub>b</sub></u>	<u>G<sub>b</sub></u>	<u>B<sub>b</sub></u>
24) B <sub>b</sub> half-dim	<u>B<sub>b</sub></u>	<u>D<sub>b</sub></u>	<u>F<sub>b</sub></u>	<u>A<sub>b</sub></u>
25) E <sub>b</sub> <sup>aug</sup> 7	<u>E<sub>b</sub></u>	<u>G</u>	<u>B</u>	<u>D<sub>b</sub></u>
26) D <sub>m</sub> aj7	<u>D</u>	<u>F<sup>#</sup></u>	<u>A</u>	<u>C<sup>#</sup></u>
27) A <sup>Ø</sup>	<u>A</u>	<u>C</u>	<u>E<sub>b</sub></u>	<u>G</u>
28) A <sub>b</sub> 7	<u>A<sub>b</sub></u>	<u>C</u>	<u>E<sub>b</sub></u>	<u>G<sub>b</sub></u>

# Ninth Chords by Key

## Worksheet

This is the answer key to the Session 18 exercise "Ninth Chords by Key Worksheet" on pg. 153.

Ninth Types	Formulas
Major 9th	1 - 3 - 5 - 7 - 9
Minor 9th	1 - b3 - 5 - b7 - 9
Dominant 9th	1 - 3 - 5 - b7 - 9

C Major 9 <sup>th</sup>	<u>C</u>	<u>E</u>	<u>G</u>	<u>B</u>	<u>D</u>
C Minor 9 <sup>th</sup>	<u>C</u>	<u>E<sup>b</sup></u>	<u>G</u>	<u>B<sup>b</sup></u>	<u>D</u>
C Dominant 9 <sup>th</sup>	<u>C</u>	<u>E</u>	<u>G</u>	<u>B<sup>b</sup></u>	<u>D</u>

G Major 9 <sup>th</sup>	<u>G</u>	<u>B</u>	<u>D</u>	<u>F<sup>#</sup></u>	<u>A</u>	F Major 9 <sup>th</sup>	<u>F</u>	<u>A</u>	<u>C</u>	<u>E</u>	<u>G</u>
G Minor 9 <sup>th</sup>	<u>G</u>	<u>B<sup>b</sup></u>	<u>D</u>	<u>F</u>	<u>A</u>	F Minor 9 <sup>th</sup>	<u>F</u>	<u>A<sup>b</sup></u>	<u>C</u>	<u>E<sup>b</sup></u>	<u>G</u>
G Dominant 9 <sup>th</sup>	<u>G</u>	<u>B</u>	<u>D</u>	<u>F</u>	<u>A</u>	F Dominant 9 <sup>th</sup>	<u>F</u>	<u>A</u>	<u>C</u>	<u>E<sup>b</sup></u>	<u>G</u>
D Major 9 <sup>th</sup>	<u>D</u>	<u>F<sup>#</sup></u>	<u>A</u>	<u>C<sup>#</sup></u>	<u>E</u>	B <sup>b</sup> Major 9 <sup>th</sup>	<u>B<sup>b</sup></u>	<u>D</u>	<u>F</u>	<u>A</u>	<u>C</u>
D Minor 9 <sup>th</sup>	<u>D</u>	<u>F</u>	<u>A</u>	<u>C</u>	<u>E</u>	B <sup>b</sup> Minor 9 <sup>th</sup>	<u>B<sup>b</sup></u>	<u>D<sup>b</sup></u>	<u>F</u>	<u>A<sup>b</sup></u>	<u>C</u>
D Dominant 9 <sup>th</sup>	<u>D</u>	<u>F<sup>#</sup></u>	<u>A</u>	<u>C</u>	<u>E</u>	B <sup>b</sup> Dominant 9 <sup>th</sup>	<u>B<sup>b</sup></u>	<u>D</u>	<u>F</u>	<u>A<sup>b</sup></u>	<u>C</u>
A Major 9 <sup>th</sup>	<u>A</u>	<u>C<sup>#</sup></u>	<u>E</u>	<u>G<sup>#</sup></u>	<u>B</u>	E <sup>b</sup> Major 9 <sup>th</sup>	<u>E<sup>b</sup></u>	<u>G</u>	<u>B<sup>b</sup></u>	<u>D</u>	<u>F</u>
A Minor 9 <sup>th</sup>	<u>A</u>	<u>C</u>	<u>E</u>	<u>G</u>	<u>B</u>	E <sup>b</sup> Minor 9 <sup>th</sup>	<u>E<sup>b</sup></u>	<u>G<sup>b</sup></u>	<u>B<sup>b</sup></u>	<u>D<sup>b</sup></u>	<u>F</u>
A Dominant 9 <sup>th</sup>	<u>A</u>	<u>C<sup>#</sup></u>	<u>E</u>	<u>G</u>	<u>B</u>	E <sup>b</sup> Dominant 9 <sup>th</sup>	<u>E<sup>b</sup></u>	<u>G</u>	<u>B<sup>b</sup></u>	<u>D<sup>b</sup></u>	<u>F</u>
E Major 9 <sup>th</sup>	<u>E</u>	<u>G<sup>#</sup></u>	<u>B</u>	<u>D<sup>#</sup></u>	<u>F<sup>#</sup></u>	A <sup>b</sup> Major 9 <sup>th</sup>	<u>A<sup>b</sup></u>	<u>C</u>	<u>E<sup>b</sup></u>	<u>G</u>	<u>B<sup>b</sup></u>
E Minor 9 <sup>th</sup>	<u>E</u>	<u>G</u>	<u>B</u>	<u>D</u>	<u>F<sup>#</sup></u>	A <sup>b</sup> Minor 9 <sup>th</sup>	<u>A<sup>b</sup></u>	<u>C<sup>b</sup></u>	<u>E<sup>b</sup></u>	<u>G<sup>b</sup></u>	<u>B<sup>b</sup></u>
E Dominant 9 <sup>th</sup>	<u>E</u>	<u>G<sup>#</sup></u>	<u>B</u>	<u>D</u>	<u>F<sup>#</sup></u>	A <sup>b</sup> Dominant 9 <sup>th</sup>	<u>A<sup>b</sup></u>	<u>C</u>	<u>E<sup>b</sup></u>	<u>G<sup>b</sup></u>	<u>B<sup>b</sup></u>
B Major 9 <sup>th</sup>	<u>B</u>	<u>D<sup>#</sup></u>	<u>F<sup>#</sup></u>	<u>A<sup>#</sup></u>	<u>C<sup>#</sup></u>	D <sup>b</sup> Major 9 <sup>th</sup>	<u>D<sup>b</sup></u>	<u>F</u>	<u>A<sup>b</sup></u>	<u>C</u>	<u>E<sup>b</sup></u>
B Minor 9 <sup>th</sup>	<u>B</u>	<u>D</u>	<u>F<sup>#</sup></u>	<u>A</u>	<u>C<sup>#</sup></u>	D <sup>b</sup> Minor 9 <sup>th</sup>	<u>D<sup>b</sup></u>	<u>F<sup>b</sup></u>	<u>A<sup>b</sup></u>	<u>C<sup>b</sup></u>	<u>E<sup>b</sup></u>
B Dominant 9 <sup>th</sup>	<u>B</u>	<u>D<sup>#</sup></u>	<u>F<sup>#</sup></u>	<u>A</u>	<u>C<sup>#</sup></u>	D <sup>b</sup> Dominant 9 <sup>th</sup>	<u>D<sup>b</sup></u>	<u>F</u>	<u>A<sup>b</sup></u>	<u>C<sup>b</sup></u>	<u>E<sup>b</sup></u>