

# LESSON 6

Date: \_\_\_\_\_

When the top and bottom note of an interval are interchanged, the interval has been inverted. There are two different ways to invert an interval.

Given Interval	Inverted Interval (1)	Inverted Interval (2)
	the upper note of the given interval is written down one octave	the lower note of the given interval is written up one octave

Notice that the only difference in the two inverted intervals is the octave transposition.

Complete the following questions to discover two patterns that emerge when studying intervals and their inversions within the octave.

## 1. Interval Quality and Inversions

Name the following intervals and their inversions. Summarize the pattern that emerges with respect to their qualities by filling in the blanks.

		PERFECT	remains	<u>PERFECT</u>
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		MAJOR	becomes	<u>MINOR</u>
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		MINOR	becomes	<u>MAJOR</u>
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		AUGMENTED	becomes	<u>DIMINISHED</u>
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		DIMINISHED	becomes	<u>AUGMENTED</u>
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## 2. Interval Size and Inversions

Observe the five intervals and inversion in #1 above. Note that the size of the given interval and its inversion always adds up to 9.

## PRACTICE

1. Name the following intervals. Invert each interval and name the inversion.

A musical staff in treble clef with a key signature of one flat (Bb). The intervals and their inversions are as follows:

$\text{D}_4$	$\text{F}_4$	$\text{Bb}_3$	$\text{D}_4$	$\text{Bb}_3$	$\text{D}_4$	$\text{F}_4$	$\text{Bb}_3$
$-7$	$+2$	$P5$	$P4$	$x4$	$o5$	$+3$	$-6$

2. Write the following intervals above the given notes. Invert each interval and name the inversion.

A musical staff in bass clef with a key signature of one flat (Bb). The intervals and their inversions are as follows:

$\text{Bb}_3$	$\text{D}_4$	$\text{Bb}_3$	$\text{D}_4$	$\text{Bb}_3$	$\text{D}_4$	$\text{Bb}_3$	$\text{D}_4$
$o5$	$x4$	$-6$	$+3$	$+3$	$-6$	$P4$	$P5$

3. Write the following intervals below the given notes. Invert each interval and name the inversion.

A musical staff in treble clef with a key signature of two flats (Bb, Eb). The intervals and their inversions are as follows:

$\text{Bb}_3$	$\text{Eb}_3$	$\text{Bb}_3$	$\text{Eb}_3$	$\text{Bb}_3$	$\text{Eb}_3$	$\text{Bb}_3$	$\text{Eb}_3$
$+6$	$-3$	$x3$	$o6$	$+3$	$-6$	$-6$	$+3$