# PIANO THEORY ANSMER KET 

Student answers are in red.
Teacher examples are in blue.

In Australia Contact:
Hal Leonard Australia Pty. Ltd
4 Lentara Court
Cheltenham, Victoria, 3192 Australia
Email: ausadmin@halleonard.com.au
Copyright © 2013 by HAL LEONARD CORPORATION
International Copyright Secured All Rights Reserved

## To the Student

I wrote these books with you in mind. As a young student I often wondered how completing theory workbooks would make me a better musician. The theory work often seemed separate from the music I was playing. My goal in Essential Elements Piano Theory is to provide you with the tools you will need to compose, improvise, play classical and popular music, or to better understand any other musical pursuit you might enjoy. In each "Musical Mastery" section of this book you will experience creative applications of the theory you have learned. The "Ear Training" pages will be completed with your teacher at the lesson. In this series you will begin to learn the building blocks of music, which make it possible for you to have fun at the piano. A practical understanding of theory enables you to see what is possible in music. I wish you all the best on your journey as you learn the language of music!

Sincerely,
Mona Rejino

## To the Teacher

I believe that knowledge of theory is most beneficial when a concept is followed directly by a musical application. In Essential Elements Piano Theory, learning theory becomes far more than completing worksheets. Students have the opportunity to see why learning a particular concept can help them become a better pianist right away. They can also see how the knowledge of musical patterns and chord progressions will enable them to be creative in their own musical pursuits: composing, arranging, improvising, playing classical and popular music, accompanying, or any other.

A free download of the Teacher's Answer Key is available at www.halleonard.com/eeptheory4answer.

## Acknowledgements

I would like to thank Hal Leonard Corporation for providing me the opportunity to put these theoretical thoughts down on paper and share them with others. I owe a debt of gratitude to Jennifer Linn, who has helped with this project every step of the way.These books would not have been possible without the support of my family:To my husband, Richard, for his wisdom and amazing ability to solve dilemmas; to my children, Maggie and Adam, for helping me think outside the box.

## TABLE OF CONTENTS

UNIT 1 Review ..... 4
Rhythm • Whole Steps • Half Steps • Enharmonics
Major and Minor 5-Finger Patterns and Triads
UNIT 2 Rhythm and Upbeats ..... 7
Dotted Quarter Note • Upbeats
UNIT 3 Ledger Line Notes ..... 10
Reading and Naming Ledger Line Notes
MUSICAL MASTERY ..... 12
Ear Training • Reading: Analysis/Transposition/Ledger Lines
UNIT 4 Intervals ..... 15
6th, 7ths, and Octaves (8ths)
UNIT 5 Major Scales ..... 18
C, G, D, F and Bb Major
UNIT 6 Key Signatures ..... 21
C, G, D, F and Bb Major
MUSICAL MASTERY ..... 24Ear Training • 12-Bar Blues Improvisation • Term Quiz
UNIT 7 Musical Signs and Terms ..... 27
Dynamics • Tempo • Articulation • Mood • Symbols
UNIT 8 Review ..... 30
Terms and Symbols $\cdot$ Rhythms • Upbeats $\cdot$ Ledger Lines Intervals • Major Scales • Major Key Signatures
MUSICAL MASTERY ..... 34Ear Training • Analysis • Symbol Mastery
THEORY MASTERY ..... 37
Review Test •Ear Training

ONT 1
REVIEW

1. Write the number of beats each note or rest receives in $\frac{4}{4}$ time.

$$
\begin{aligned}
& d=2 \quad 2=\underline{2} \quad 0=4 \quad 2 \quad 0 \quad 1 \\
& \text { d. }=3 \quad==4 \quad d=\underline{1 / 2} \quad d=1 \quad 1 \quad y=\underline{1 / 2}
\end{aligned}
$$

2. Draw these notes or rests in the boxes.

3. Write the counts under each measure in the examples below. The first measure is done for you. Clap and count each rhythm aloud.
4. Complete the Major and minor 5 -finger patterns on each staff. Mark the half steps with a curved line. The half step is between notes 3 and 4 in a Major 5-finger pattern. The half step is between notes 2 and 3 in a minor 5 -finger pattern.


Eh Major



Bb Major



Lb minor


Bb minor

9. Six Major triads are given below. Fill in the second measure with the minor triad. Lower the 3rd one half step.

4. In the blanks below the staff, name the distance between each pair of notes. Use $\mathbf{W}$ for whole step, $\mathbf{H}$ for half step, and $\mathbf{0}$ for no step (enharmonic).

5. Circle the two notes that form a half step in each example.

6. Circle the two notes that form a whole step in each example.


F Major 5-Finger Pattern Triad


Rhythm and Upbeats


1. Rewrite these rhythms by replacing d. with d. The first one is done for you. Write the counts under each rhythm, then clap and count each rhythm aloud.



An UPBEAT is one or more notes that come before the first full measure of a piece. When a piece begins with an upbeat (pick-up notes), the missing beats are found in the last measure. Add the upbeat to the beats in the incomplete last measure to make one full measure.

5. Write the correct time signature in each box. Write the counts under each measure. Play each melody, repeating it once.



## Reading Mastery

1. Play the three musical excerpts below, then answer the questions.
2. G Major Pattern

a. Which melody begins with an upbeat? 3
b. Which melodies have an interval of a 5 th? 1,2 and 3
c. Which melodies have an interval of a 3rd? 1 and 3
d. Which melodies use the dotted quarter/eighth note rhythm? $\mathbf{1}$ and 2
e. Which melodies use ledger lines? 1 and 3
f. Can you name any of the musical excerpts? (*Answers at the bottom of page) 1. Jingle Bells 2.Scarborough Fair 3. My Dreydl
3. Transpose each melody above to another pattern. Choose from these 5 -finger patterns:

| C Major | D Major | A Major | F minor | G minor |
| :---: | :---: | :---: | :---: | :---: |


4. Draw a melodic 7 th up or down from the given note. Name each note.
upa7th downa7th upa7th downa7th upa7th

5. Draw a harmonic 7th up or down from the given note.

octave (8th)

## Intervals

An INTERVAL is the distance between two keys or notes.

| MELODIC INTERVALS are two |
| :--- |
| notes played separately to make |
| a melody. |


| HARMONIC INTERVALS are |
| :--- |
| two notes played together to |
| make a harmony. |

1. In the box below each pair of notes, name the interval. In the blank, label the interval either melodic or harmonic

2. Draw a melodic 6 th up or down from the given note. Name each note.


15


## UNH 5

## Major Scales

A MAJOR SCALE is made up of eight consecutive notes (scale degrees) arranged in the following pattern of whole steps and half steps:

The half steps are between scale degrees 3-4 and 7-8. The first note of a scale is called the keynote or tonic.


1. Complete the C Major scale. Mark the half steps with a curved line.

2. Complete the G Major scale. Mark the half steps with a curved line


3. Fill in the blanks with the correct number.
a. The C Major scale has _ 0 sharp(s) and _ $0 \quad$ flat(s).
b. The G Major scale has 1 sharp(s) and $0 \quad$ flat(s).
c. The D Major scale has 2 _ sharp(s) and _0_ flat(s)
d. The F Major scale has _ 0 sharp(s) and _1_ flat(s).
e. The Bb Major scale has 0 sharp(s) and 2 flat(s). Both Bb's count as one flat.
4. Add the correct sharps to form a D Major scale. Use the Major scale pattern:WWHWWWH Mark the half steps with a curved line.

5. Add the correct flat to form an F Major scale. Mark the half steps with a curved line.

6. Add the correct flat to form a Bb Major scale. Mark the half steps with a curved line

7. Complete the C Major scale in the two octaves given on the grand staff. The first and last notes of each scale are written for you.

8. Complete each Major scale in the two octaves given on the grand staff. Add accidentals where needed.
G Major Scale


## 1NTH 6

## Key Signafures

To make reading and writing music easier, the sharps or flats of the scale are written at the beginning of each staff.The KEY SIGNATURE tells you which notes are to be played sharp or flat throughout the piece.

The key signatures of the scales you already know are


1. Fill in the blanks with the correct answer.
a. The key signature of $\mathbf{F}$ Major has one flat, $B$ b
b. The key signature of $\quad \mathrm{Bb} \quad$ Major
has two flats, $B b$ and $E b$
c. The key signature of $\quad$ G Major has one sharp, F\#
d. The key signature of $\quad$ D Major has two sharps, F\# and C\#
e. The key signature of C Major
has no sharps and no flats.


2. Draw the key signature named below each measure in both clefs. Then draw the tonic (keynote.) The first one is done for you

3. In the following musical examples:
a. Circle the notes to be played sharp or flat.
b. Name the key signature.
c. Play the music.

Key of_F_Major



## Musical Signs and Terms

An asterisk (*) indicates words that are new to this book.

| DYNAMIC signs tell how soft or loud to play the music. |  |  |
| :--- | :--- | :--- |
| Italian Name | Sign (Symbol) | Meaning |
| pianissimo | very soft |  |
| fortissimo | very loud |  |
| crescendo (cresc.) |  | gradually louder |
| decrescendo or <br> diminuendo (dim.) |  |  |
| TEMPO marks tell what speed to play the music. |  |  |


| Italian Name | Meaning |
| :--- | :--- |
| ritardando (rit.) | gradually slower |
| a tempo | return to the original tempo |
| largo* | slow and broad, slower than adagio |
| andantino* | slightly faster than andante |
| allegretto* | moderately fast, slightly slower than allegro |
| vivace* | lively, quick |
| presto* | very fast |
| accelerando* (accel.) | becoming gradually faster |

1. In each blank write the dynamic sign to match the meaning.
$\qquad$
2. In each blank write the Italian name for the following tempo marks. very fast presto slow and broad largo becoming gradually faster accelerando gradually slower ritardando lively, quick vivace slightly faster than andante andantino return to the original tempo a tempo moderately fast allegretto

ARTICULATION signs tell how to play and release the keys.

| Name | Sign (Symbol) | Meaning |
| :--- | :--- | :--- |
| accent | play louder; emphasize |  |
| tenuto | $\boldsymbol{s f z}$ or $\boldsymbol{s f}$ | hold full value; stress |
| sforzando* | sudden, strong accent |  |

The following terms help to describe the mood or style of the music

## Italian Name

dolce*
grazioso*

## maestoso*

poco*
molto*
3. In each blank write the name that matches the meaning
sudden, strong accent sforzando

## Meaning

sweetly
gracefully
majestic; stately
little
very
.
very molto
hold full value; stress tenuto majestic; stately maestoso
$\qquad$ gracefully grazioso

28

## UNT 8

## REVIEW

1. Match each symbol or term with its definition by writing the correct letter in the blank.

| g. | dolce | a. very fast |
| :---: | :---: | :---: |
| a. | presto | b. slightly faster than andante |
| e. | \% | c. slow and broad |
| f. | poco | d. majestic; stately |
| b. | andantino | e. the sign |
| p. | accelerando | f. little |
| j. | $s f z$ or sf | g. sweetly |
| d. | maestoso | h. return to $\mathbb{S}$ and play to fine |
| c. | largo | i. very |
| O. | vivace | j. sudden, strong accent |
| i. | molto | k. gracefully |
| q. | accent | I. hold full value; stress |
| h. | D.S. al Fine | m. return to the beginning and play to fine |
| k. | grazioso | n. moderately fast |
| m. | D.C.al Fine | o. lively, quick |
| n. | allegretto | p. becoming gradually faster |
| I. | tenuto | q. play louder; emphasize |


9. Draw a line connecting each key in Column A to its matching scale and key signature in Column B.

4. You will hear intervals played in broken and blocked form. They will be either a $2 n d, 5$ th or 7 th. Write 2nd, 5th or 7th in the blank.


5. 7th Fo fo 0
6. 5th of o

## Analysis

Study this excerpt from "Menuet in G Major," then answer the questions about it.


1. How many beats are in each measure? 3
2. Name the circled 5 -finger pattern in measures 1 and 2 . $\qquad$ G Major
3. How many measures contain a dotted half note? $\mathbf{5}$
4. Name the circled melodic interval in measure 4. 8th
5. Name the triad in measure 1 $\qquad$ G Major
6. What is the tempo? Moderato
7. How many measures contain the rhythm • . . ?
8. Do the circled eighth notes in measure 3 form a whole step or a half step? whole step
9. How many F\#'s are there? 2
10. Name the circled melodic interval in measure 8. 7th

## Symbol Mastery

Unscramble the words to complete each sentence.


## THEORY MASTERY

## Review Test

1. On the staff below, draw the notes or rests that are named below each measure.

2. Write the name of each interval in the blank below it.

3. Draw the note that completes the harmonic interval above the given note.

4. Transpose this melody to the G Major 5-finger pattern. Keep the rhythms and intervals the same. Remember the stem rule.

5. Draw bar lines where they are needed.



Bb Major Scale


F Major Scale


10. Write the letter of the correct definition in the blank beside each term.

| C. | D.C. al Fine | a. the distance between two notes |
| :---: | :---: | :---: |
| f. | accelerando | b. sudden, strong accent |
| a. | interval | c. return to the beginning and stop at fine |
| $\mathbf{j} .$ | minor 5-finger pattern | d. short lines above or below the staff |
| d. | ledger lines | e. W W H W W W H |
| b. | sforzando | f. becoming gradually faster |
| k. | D.S. al Fine | g. an interval of eight notes |
| e. | Major scale | h. W W H W |
| 1. | tonic | i. change a piece from one key to another |
| g. | octave | j. W H W W |
| m. | triad | k. return to the sign and stop at fine |
| i. | transpose | I. first note of a scale |
| h. | Major 5-finger pattern | m . chord made up of a root, third and fifth |

## Ear Training

1. You will hear four measures of rhythmic dictation. Fill in the blank measures with the rhythm you hear.

2. You will hear a Major or minor triad played in broken and blocked form. Circle the one you hear.

3. You will hear one interval from each pair. Circle the interval you hear.

4. You will hear four measures of melodic dictation. Fill in the blank measures with the notes and rhythms you hear.

