

best **music** coach

Answer Key

Theory Workbook 1

3rd Edition

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STOP

This book is a workbook, not a textbook!
To learn about music theory, please see
"The Best Music Theory Book for Beginners: 1"



Use Music Theory Workbook 1
WITH
The Best Music Theory Book for Beginners 1



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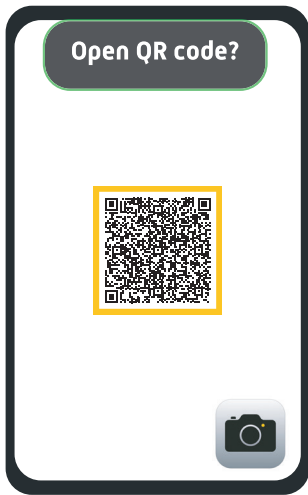
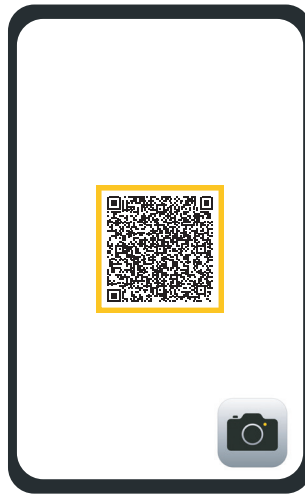
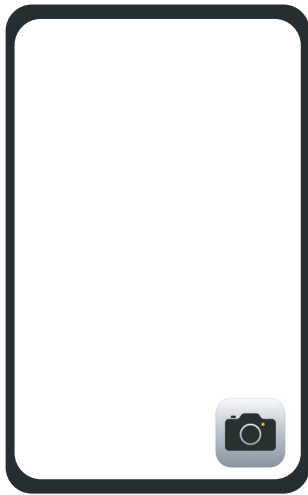
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How to Scan QR Codes



1. On an iPhone open the camera. On Android, download and open a QR code scanner application.
2. Hold your phone so you can see the QR code on the screen, and the screen is in focus.
3. On iPhones, tap the banner that asks you if you want to open the QR code. On Android, tap the button that asks you to open the QR code.

Music Theory: Introduction

What is Music Theory?

The study and understanding of the elements and structure of music. To put it simply, music theory is the key to understanding the "how" and the "why" behind the music you hear or play.

Why Learn Music Theory?

Learn Pieces of Music Faster on any Instrument or Voice

Just like using a map or GPS app will help you get to your destination faster, music theory can act as the map or GPS app to show you the way to the end of a piece of music, speeding memorization and in some cases increasing your emotional connection to the music built on understanding what is actually going on.

Get Better at Reading Music

Understanding all the intricacies of music theory will improve your ability to read music. Many things you will learn in this book will give you a stronger relationship to written music.

Strengthen Your Relationship to All the Music in your Life

Music theory will help you understand and relate to the music you are hearing, singing and/or playing. With this understanding, you will be able to play the music more accurately, with a deeper intellectual and emotional understanding and interpretation. Think about how many new things you have learned so far in your life from reading books. How much more could you learn about music from being able to read and understand what is happening in a piece of music? Music theory will make you a smarter and sharper musician when playing, writing, and studying music.

What You Will Need

1. This book.
2. *The Best Music Theory Book for Beginners 1*
3. Manuscript paper.
4. Pencils.
5. A ruler.

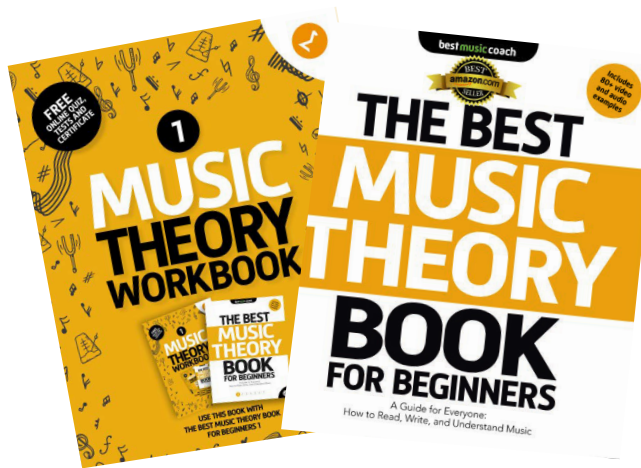
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How This Book Works

How to Understand Exercises

You may find exercises and ideas easier to understand with a music teacher or coach. If you have not read "The Best Music Theory Book for Beginners 1" you may not understand the exercises and ideas in this book. Buy a 3rd edition copy if you have not already.



FREE Answer Keys

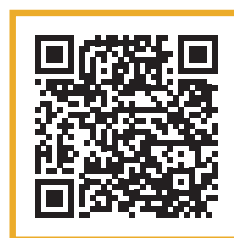
Download your FREE copy of the answer keys for this entire book by scanning the QR code below or at <https://bestmusiccoach.com/courses/music-theory-workbook-1>



FREE Online Quiz and Certificate

When you complete the final quiz for this book with 95% correct answers, you will receive an official full-color certificate of achievement that you can print out, download, share on social media and keep forever as a sign of your accomplishments in music theory.

Scan the QR code below to go to: <https://bestmusiccoach.com/courses/music-theory-workbook-1>



Rhythm 1: Answers

Rhythm 1: Answers

Staff Line and Space ID

Exercise 1

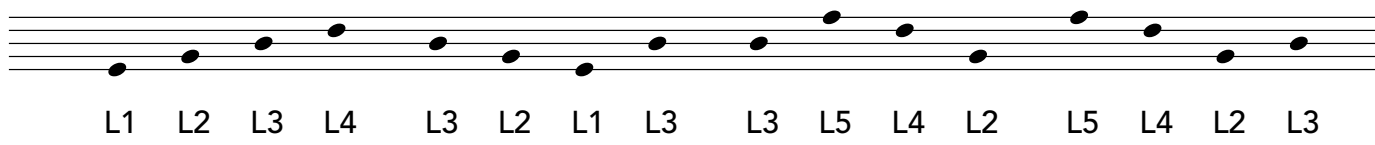
Write S and the number space the dot (notehead) is in.



A musical staff with five lines. Below the staff, 16 notes are placed in various spaces. Each note is labeled with an 'S' followed by a number indicating the space it occupies. The labels are: S1, S2, S3, S4, S3, S2, S1, S3, S2, S4, S3, S1, S4, S3, S2, S1.

Exercise 2

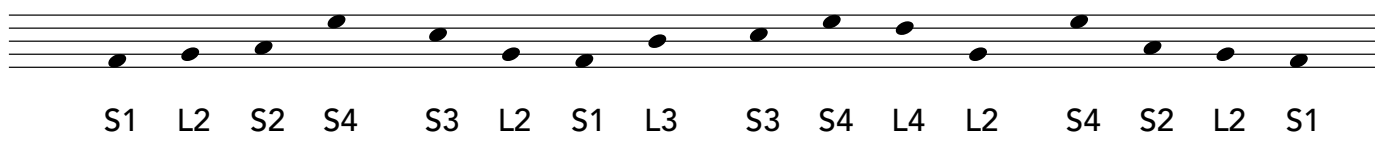
Write L and the number space the dot (notehead) is in.



A musical staff with five lines. Below the staff, 16 notes are placed in various lines. Each note is labeled with an 'L' followed by a number indicating the line it occupies. The labels are: L1, L2, L3, L4, L3, L2, L1, L3, L3, L5, L4, L2, L5, L4, L2, L3.

Exercise 3

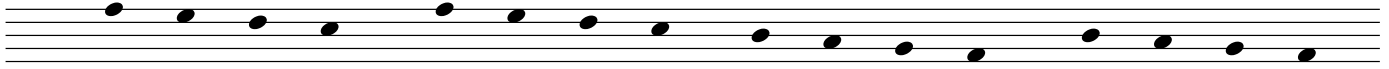
A mix of lines and spaces.



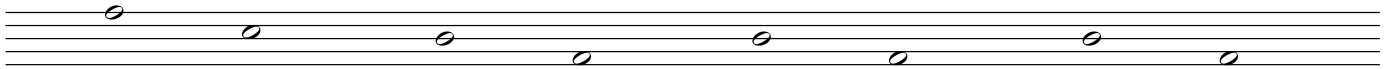
A musical staff with five lines. Below the staff, 16 notes are placed in various lines and spaces. Each note is labeled with an 'S' or 'L' followed by a number indicating the line or space it occupies. The labels are: S1, L2, S2, S4, S3, L2, S1, L3, S3, S4, L4, L2, S4, S2, L2, S1.

Writing Noteheads

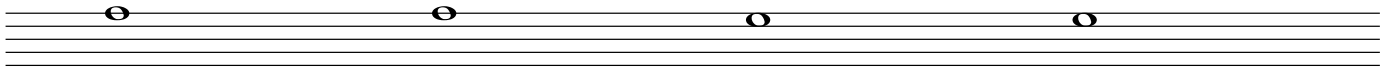
Exercise 1: Closed Noteheads



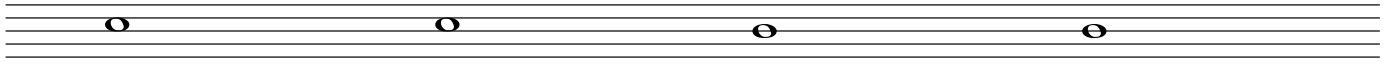
Exercise 2: Open Noteheads: Half Notes



Exercise 3: Open Noteheads: Whole Notes



Exercise 4: Open Noteheads: Whole Notes



Exercise 5: Mix



Write Stems

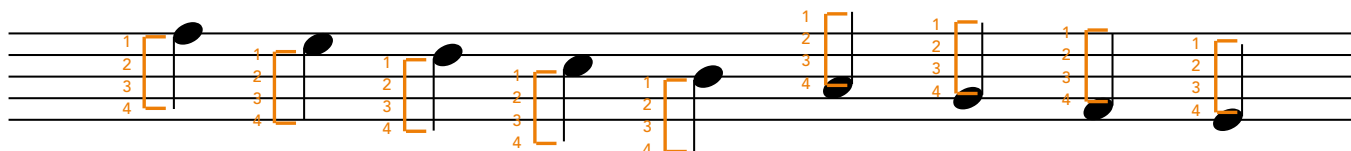
In the following exercises, you will practice writing stems with the correct length on each notehead. Remember to pay attention to the direction of the stem (up or down).

Stem Direction: Stem Down

On or above line 3 of the staff

Stem Direction: Stem Up

Below line 3 of the staff



Example

Add the stems for each notehead.



Example Answer

The length of each stem should be four staff lines long.



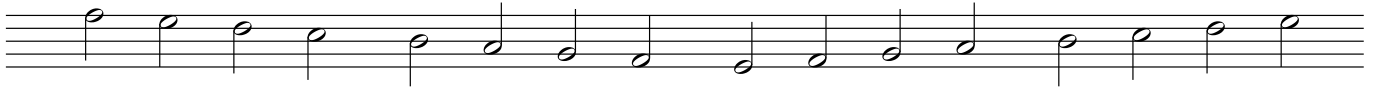
Exercise 1

1. Add the stems for each quarter notehead.
2. All notes which are under Line 3 of the staff are stem up.
3. All notes above and on Line 3 are stem down.



Exercise 2

1. Add the correct stems for each open notehead.
2. All notes which are under Line 3 of the staff are stem up.
3. All notes above and on Line 3 are stem down.



Exercise 3

1. Add the correct stems for each quarter notehead.
2. All notes which are under Line 3 of the staff are stem up.
3. All notes above and on Line 3 are stem down.



Exercise 4

1. Add the correct stems for each quarter notehead.
2. All notes which are under Line 3 of the staff are stem up.
3. All notes above and on Line 3 are stem down.



Writing Bar Lines

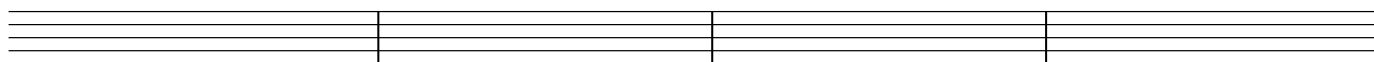
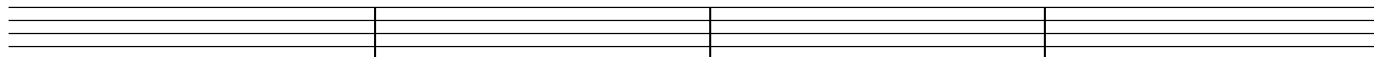
There are many different types of bar lines in music, which are used not only to separate measures, but also to separate different parts of a song.

Reminder: The three most common types of bar lines are:

1. Regular Bar Line (these are used to separate measures)
2. Double Bar Line (these are used often to separate sections or show the end of an exercise that does not happen in regular measures)
3. End Bar Line (these are used to end the song)

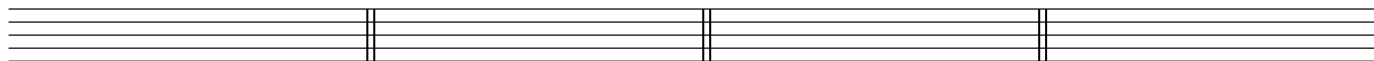
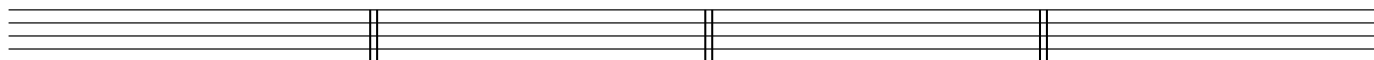
Exercise 1

Copy the bar lines from the top staff by writing them onto the bottom staff.



Exercise 2

Copy the double bar lines from the top staff by writing them onto the bottom staff.



Exercise 3

Copy the final bar lines from the top staff by writing them onto the bottom staff.



Writing Time Signatures

The time signature is an important part of written sheet music. In these exercises, you will practice writing your own time signatures.

Remember: The two time signatures which you have learned so far are $\frac{4}{4}$ and $\frac{3}{4}$. Remember that in order to write the time signature, you place two large numbers on top of each other.

The **upper number** of the time signature takes up the space from line 3 to line 5 of the staff

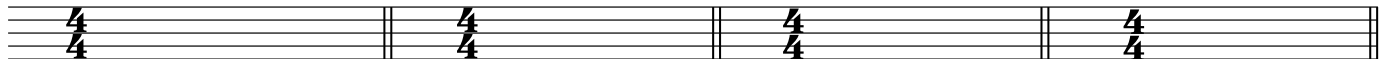
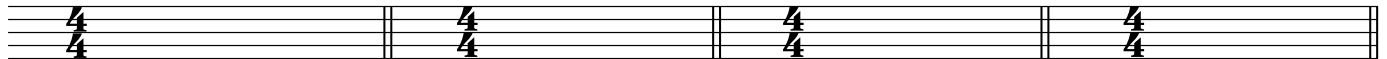
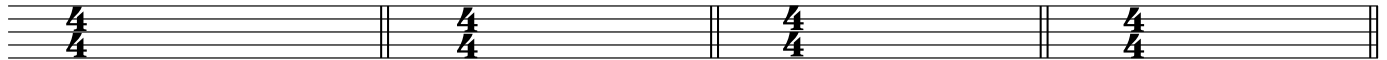


The **lower number** of the time signature takes up the space from line 1 to line 3 of the staff



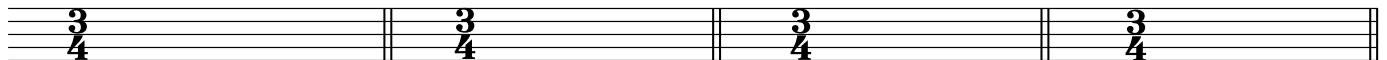
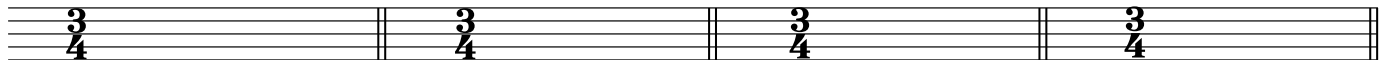
Exercise 1

In each blank measure, write the time signature for $\frac{4}{4}$.



Exercise 2

In each blank measure, write the time signature for $\frac{3}{4}$.



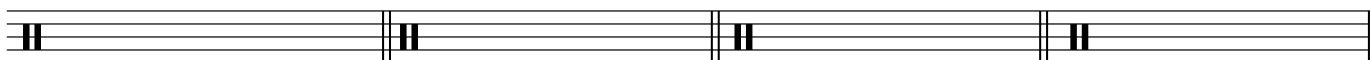
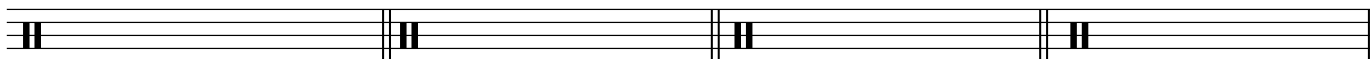
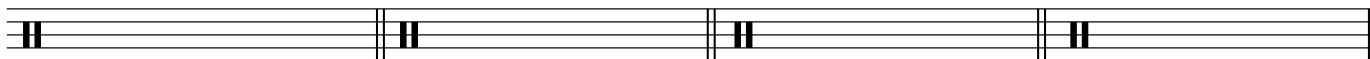
Writing Percussion Clefs

To write a percussion clef:

1. Write two vertical lines from the 4th line of the staff to the 2nd line of the staff.
2. Make the lines thick.

Exercise

Using the above steps, fill in the following 12 measures with percussion clefs. The first one of each line is already filled in for you.

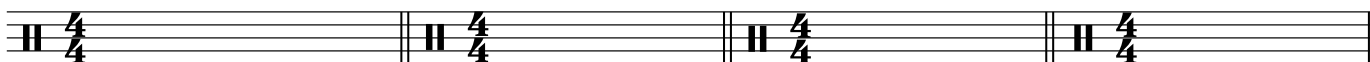


The other name for a percussion clef is "neutral clef".

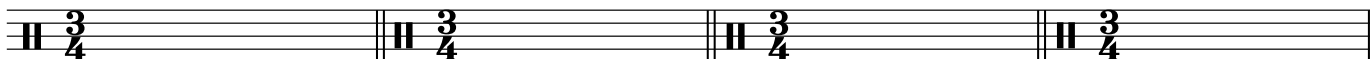
Writing Percussion Clefs and Time Signatures

1. Write a percussion clef then the indicated time signature in every measure.

$\frac{4}{4}$



$\frac{3}{4}$



Space Notes on the Staff

Space Notes on the Staff: $\frac{4}{4}$

In this exercise, write the noteheads on Line 3 of the staff above each number. The numbers show which beat of the measure each note starts on. Look to the next number to see how long the first note will last. You are trying to figure out if you need to write a whole, half, or quarter note. Pay attention to the spacing of your notes and how many beats (4) should be in each measure.

Example

A musical staff with a 4/4 time signature. The staff is divided into four measures. Below the staff, the following numbers are written: 1, 2, 3, 4, 1, 2, 4, 1, 3, 1. These numbers indicate the starting beat and the duration of the notes in each measure.

Example Answer

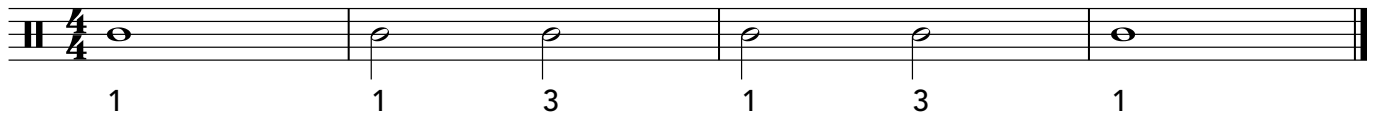
A musical staff with a 4/4 time signature. The staff is divided into four measures. Below the staff, the following numbers are written: 1, 2, 3, 4, 1, 2, 4, 1, 3, 1. The notes are written on line 3 of the staff with stems pointing down. The first measure contains four quarter notes. The second measure contains a half note (beats 1-2), a quarter note (beat 3), and a quarter note (beat 4). The third measure contains a half note (beats 1-2), a quarter note (beat 3), and a quarter note (beat 4). The fourth measure contains a whole note (beats 1-4).

1. Write all noteheads on line 3 of the staff with stem down for half and quarter notes.

Exercise 1

A musical staff with a 4/4 time signature. The staff is divided into four measures. Below the staff, the following numbers are written: 1, 3, 4, 1, 2, 4, 1, 2, 3, 1, 3. These numbers indicate the starting beat and the duration of the notes in each measure.

Exercise 2



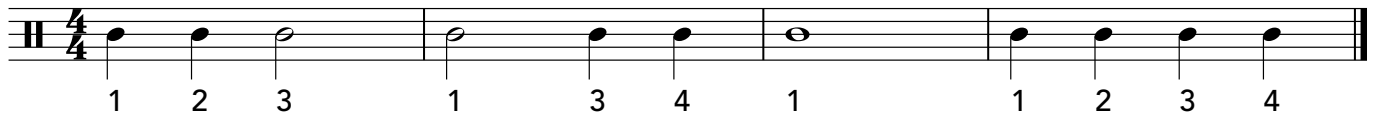
Musical notation for Exercise 2, 4/4 time signature. The exercise consists of four measures. The first measure contains a whole note G4 with a fingering of 1 below it. The second measure contains two half notes: G4 (fingering 1) and B4 (fingering 3). The third measure contains two half notes: G4 (fingering 1) and B4 (fingering 3). The fourth measure contains a whole note G4 with a fingering of 1 below it.

Exercise 3



Musical notation for Exercise 3, 4/4 time signature. The exercise consists of four measures. Each measure contains three quarter notes: G4 (fingering 1), A4 (fingering 2), and C5 (fingering 4). The fingering sequence is 1 2 4 for each measure.

Exercise 4

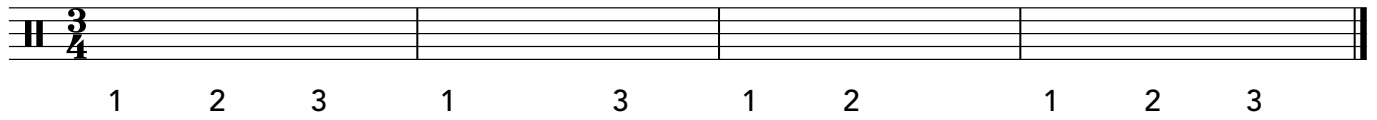


Musical notation for Exercise 4, 4/4 time signature. The exercise consists of four measures. The first measure contains three quarter notes: G4 (fingering 1), A4 (fingering 2), and B4 (fingering 3). The second measure contains three quarter notes: G4 (fingering 1), B4 (fingering 3), and C5 (fingering 4). The third measure contains a whole note G4 with a fingering of 1 below it. The fourth measure contains four quarter notes: G4 (fingering 1), A4 (fingering 2), B4 (fingering 3), and C5 (fingering 4).

Space Notes on the Staff: $\frac{3}{4}$

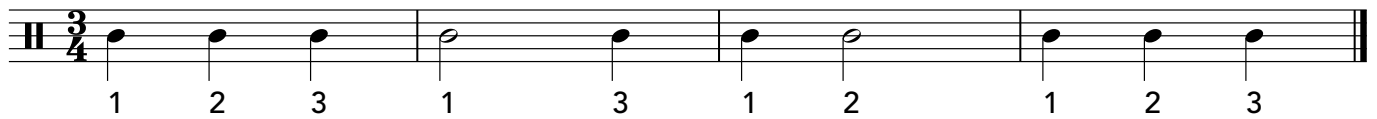
In $\frac{3}{4}$ time signature has 3 beats per measure. This is because the top note in a time signature always shows the number of beats in each measure.

Example



A musical staff with a treble clef and a 3/4 time signature. The staff is divided into four measures. Below the staff, the following fingerings are indicated: 1 2 3 | 1 3 | 1 2 | 1 2 3.

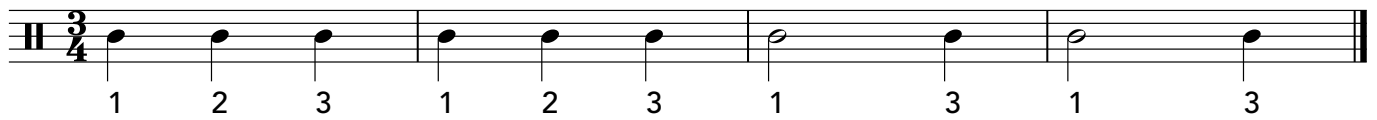
Example Answer



A musical staff with a treble clef and a 3/4 time signature. The staff is divided into four measures. Each measure contains three notes on the third line of the staff, with stems pointing down. The notes are quarter notes in the first three measures and a half note in the fourth measure. Below the staff, the following fingerings are indicated: 1 2 3 | 1 3 | 1 2 | 1 2 3.

1. Write all noteheads on line 3 of the staff with stem down for half and quarter notes.

Exercise 1



A musical staff with a treble clef and a 3/4 time signature. The staff is divided into four measures. Each measure contains three notes on the third line of the staff, with stems pointing down. The notes are quarter notes in the first three measures and a half note in the fourth measure. Below the staff, the following fingerings are indicated: 1 2 3 | 1 2 3 | 1 3 | 1 3.

Exercise 2



A musical staff with a treble clef and a 3/4 time signature. The staff is divided into four measures. Each measure contains three notes on the third line of the staff, with stems pointing down. The notes are quarter notes in the first three measures and a half note in the fourth measure. Below the staff, the following fingerings are indicated: 1 3 | 1 2 3 | 1 2 3 | 1 2.

Rhythm 2: Answers

Strong and Weak Beats

It might not seem important now, but the strong and weak beats are REALLY important for when you start to understand and break down your favorite songs and understand music.

Strong and Weak Beats in $\frac{4}{4}$

Write the order of strong and weak beats!

Strongest Weak Strong Weakest

Strongest Weak Strong Weakest

Strongest Weak Strong Weakest

Strong and Weak Beats in $\frac{3}{4}$

Write the order of strong and weak beats!

Strongest Weak Weakest

Strongest Weak Weakest

Strongest Weak Weakest

Strongest Weak Weakest

Rhythm 3: Answers

Write Rests to Complete the Measure

1. Each measure has empty beats with count numbers below the staff.
2. Fill in the the empty beats using whole, half, and quarter rests.
3. Follow Rest Rules and measure math!

Example

A musical staff in 4/4 time with four measures. The first measure contains four quarter notes. The second measure contains two quarter notes. The third and fourth measures are empty. Below the staff are the beat counts: 1 2 3 4, 1 2 3 4, 1 2 3 4, 1 2 3 4.

Example Answer

A musical staff in 4/4 time with four measures. The first measure contains a quarter note, a quarter rest, and two quarter notes. The second measure contains a quarter note, two quarter rests, and a quarter note. The third measure contains a quarter note, a quarter rest, and a half rest. The fourth measure contains a whole rest. Below the staff are the beat counts: 1 2 3 4, 1 2 3 4, 1 2 3 4, 1 2 3 4.

Exercise 1

A musical staff in 4/4 time with four measures. The first measure contains a quarter note, a quarter rest, and a half note. The second measure contains a quarter note, two quarter rests, and a quarter note. The third measure contains a quarter note, a quarter rest, and a half rest. The fourth measure contains a whole rest. Below the staff are the beat counts: 1 2 3 4, 1 2 3 4, 1 2 3 4, 1 2 3 4.

Exercise 2

A musical staff in 4/4 time with four measures. The first measure contains a whole note. The second measure contains a quarter rest, a quarter note, and a half note. The third measure contains a half rest, a quarter note, and a quarter note. The fourth measure contains a whole rest. Below the staff are the beat counts: 1 2 3 4, 1 2 3 4, 1 2 3 4, 1 2 3 4.

Exercise 3



Musical notation for Exercise 3, 4/4 time signature. The exercise consists of four measures. The first measure has a quarter note on G4, a quarter rest, and a quarter note on B4. The second measure has a quarter note on G4, a quarter rest, and a quarter note on B4. The third measure has quarter notes on G4, A4, B4, and C5. The fourth measure has a quarter note on G4, a quarter note on B4, and a quarter rest. Fingering numbers 1-4 are written below the notes.

Exercise 4



Musical notation for Exercise 4, 4/4 time signature. The exercise consists of two staves. The first staff has four measures: 1) quarter note G4, quarter rest, quarter note B4; 2) quarter rest, quarter note G4, quarter rest, quarter note B4; 3) quarter notes G4, A4, B4, C5; 4) quarter note G4, quarter note B4, quarter rest. The second staff has four measures: 1) quarter note G4, quarter rest, quarter note B4; 2) quarter rest, quarter note G4, quarter rest, quarter note B4; 3) quarter notes G4, A4, B4, C5; 4) quarter note G4, quarter note B4, quarter rest. Fingering numbers 1-4 are written below the notes.

Exercise 5



Musical notation for Exercise 5, 4/4 time signature. The exercise consists of two staves. The first staff has four measures: 1) quarter note G4, quarter rest, quarter note B4; 2) quarter rest, quarter note G4, quarter rest, quarter note B4; 3) quarter notes G4, A4, B4, C5; 4) quarter note G4, quarter note B4, quarter rest. The second staff has four measures: 1) quarter note G4, quarter rest, quarter note B4; 2) quarter rest, quarter note G4, quarter rest, quarter note B4; 3) quarter notes G4, A4, B4, C5; 4) quarter note G4, quarter note B4, quarter rest. Fingering numbers 1-4 are written below the notes.

Exercise 6

1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4

5

1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4

Exercise 7

1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4

5

1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4

Exercise 8

1 2 3 1 2 3 1 2 3 1 2 3

5

1 2 3 1 2 3 1 2 3 1 2 3

Exercise 9

1 2 3 1 2 3 1 2 3 1 2 3

5

1 2 3 1 2 3 1 2 3 1 2 3

Detailed description: This exercise is written in 3/4 time. The first system consists of four measures. The first measure has a quarter note on G4, followed by two eighth rests. The second measure has quarter notes on G4 and A4, followed by an eighth rest. The third measure has a half note on G4, followed by a quarter note on A4. The fourth measure has eighth notes on G4, A4, and B4. The second system also has four measures. The first measure has a half note on G4, followed by an eighth rest. The second measure has a whole rest. The third measure has eighth notes on G4 and A4, followed by an eighth rest. The fourth measure has quarter notes on G4 and A4, followed by an eighth note on B4.

Exercise 10

1 2 3 1 2 3 1 2 3 1 2 3

5

1 2 3 1 2 3 1 2 3 1 2 3

Detailed description: This exercise is written in 3/4 time. The first system consists of four measures. The first measure has a quarter note on G4, followed by two eighth rests. The second measure has quarter notes on G4 and A4, followed by an eighth rest. The third and fourth measures contain whole rests. The second system also has four measures. The first measure has a half note on G4, followed by an eighth rest. The second measure has a whole rest. The third measure has eighth notes on G4 and A4, followed by an eighth rest. The fourth measure has quarter notes on G4 and A4, followed by an eighth note on B4.

Exercise 11

1 2 3 1 2 3 1 2 3 1 2 3

5

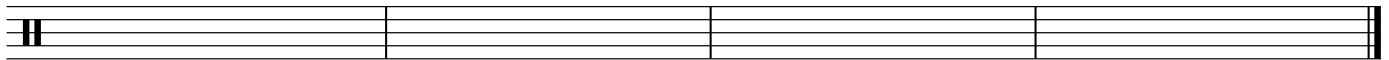
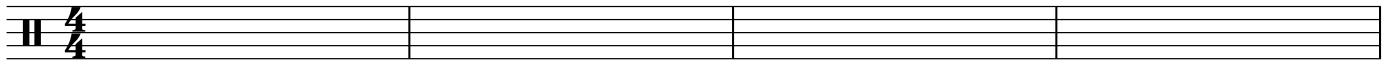
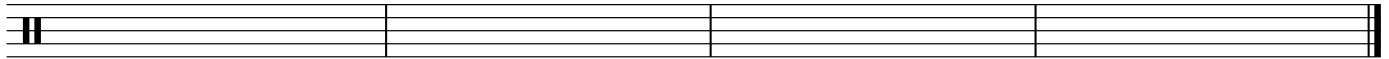
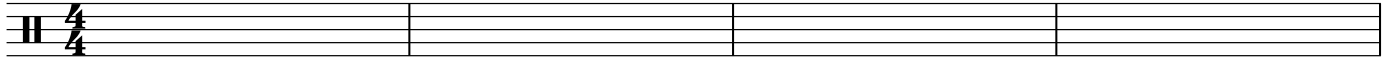
1 2 3 1 2 3 1 2 3 1 2 3

Detailed description: This exercise is written in 3/4 time. The first system consists of four measures. The first measure has a quarter note on G4, followed by two eighth rests. The second measure has quarter notes on G4 and A4, followed by an eighth rest. The third measure has a whole rest. The fourth measure has a half note on G4, followed by an eighth rest. The second system also has four measures. The first measure has a half note on G4, followed by an eighth rest. The second measure has eighth notes on G4 and A4, followed by an eighth rest. The third measure has a whole rest. The fourth measure has quarter notes on G4 and A4, followed by an eighth note on B4.

How to Write Lines of Music 2

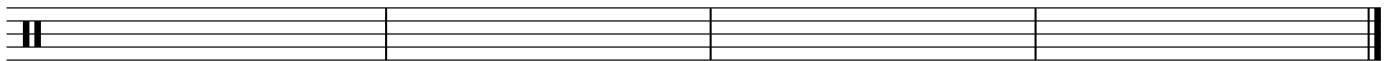
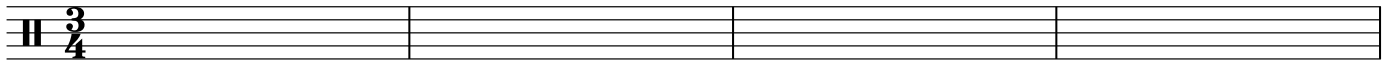
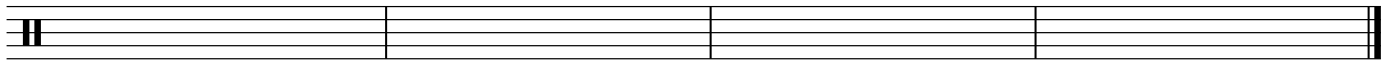
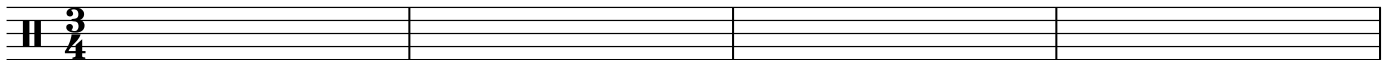
Exercise 1

In the following two groups of staves in $\frac{4}{4}$, there should be a total of 8 measures in each two-line group. Write in the bar lines so that there are four measures per line, with a final bar line at the end of measure 8 and a percussion clef to the left of the time signature. When you are finished, write two of your own rhythmic compositions using whole, half, and quarter notes and rests. Write noteheads on line 3 of the staff with all stems down.



Exercise 2

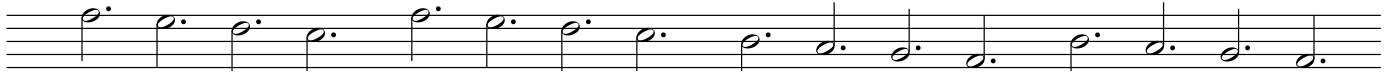
In the following two groups of $\frac{3}{4}$ staves, there should be a total of 8 measures in each two line group. Write in the bar lines so that there are four measures per line, with a final bar line at the end of measure 8 and a percussion clef to the left of the time signature. When you are finished, write two of your own rhythmic compositions using whole, half and quarter rests and half and quarter notes. Write noteheads on line 3 of the staff with all stems down.



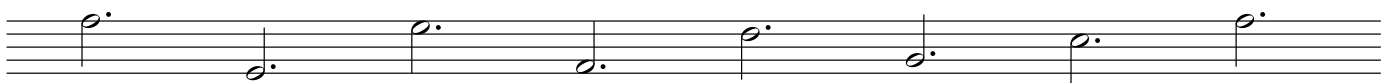
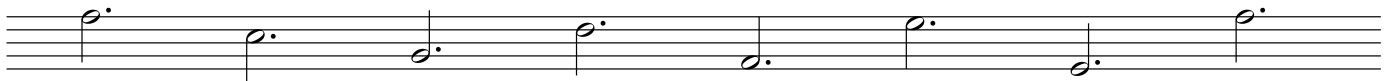
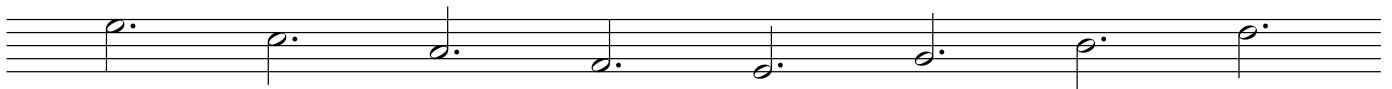
Rhythm 4: Answers

Writing Dotted Notes

Exercise 2



Exercise 3



Spacing Notes, Dotted Notes, and Rests on the Staff

Exercise 1

Exercise 2

1. Write in the rests to complete the measure.

Exercise 3

1. Write in the rests to complete the measure.

Writing Ties

Exercise 2

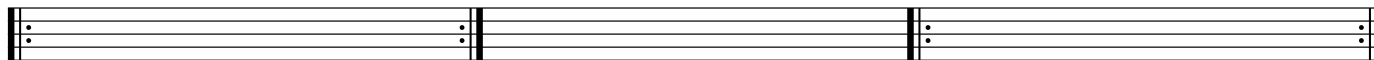
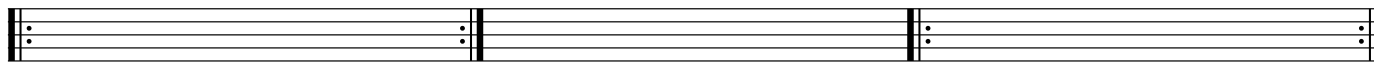
Exercise 2 consists of two staves of musical notation. The first staff contains six pairs of eighth notes, each pair connected by a slur and a tie. The notes are G4, A4, B4, C5, D5, and E5. The second staff contains four pairs of dotted eighth notes, each pair connected by a slur and a tie. The notes are G4, A4, B4, and C5.

Exercise 3

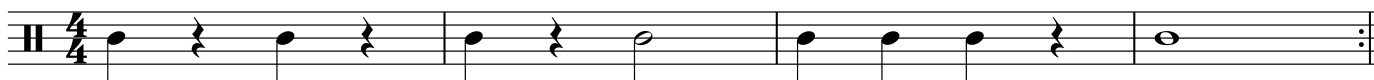
Exercise 3 consists of three staves of musical notation in 4/4 time. The first staff contains four measures: Measure 1 has a quarter note G4, a quarter rest, a quarter note A4, and a quarter rest. Measure 2 has a quarter note B4, a quarter rest, a dotted half note C5, and a quarter rest. Measure 3 has a quarter note D5, a quarter note E5, a quarter note F5, and a quarter rest. Measure 4 has a dotted half note G5. The second staff contains four measures: Measure 1 has a dotted half note G4, a quarter note A4, and a quarter rest. Measure 2 has a dotted half note B4, a quarter rest, and a quarter note C5. Measure 3 has a quarter rest, a dotted half note D5, a quarter note E5, and a quarter rest. Measure 4 has a dotted half note F5. The third staff contains four measures: Measure 1 has a dotted half note G4, a quarter note A4, and a quarter rest. Measure 2 has a whole rest. Measure 3 has a quarter rest, a dotted half note B4, a quarter note C5, and a quarter rest. Measure 4 has a quarter note D5, a dotted half note E5, a quarter note F5, and a quarter note G5.

Writing Repeat Signs

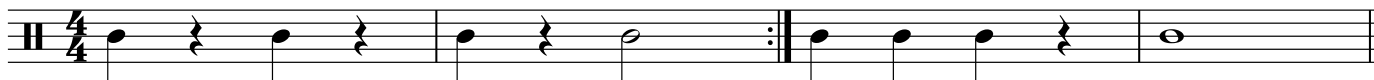
Exercise 2



Exercise 3



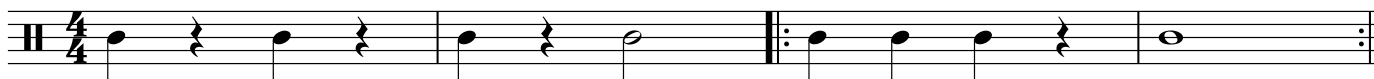
Exercise 4



Exercise 5



Exercise 6



Pitch and Notes 1: Answers

The Basic Musical Alphabet

Exercise 1

A B C D E F G A B C D E F G A B C D

Exercise 2

B C D E F G A B C D E F G A B C D E

Exercise 3

G A B C D E F G A B C D E F G A B C

Exercise 4

A G F E D C B A G F E D C B A G F E

Exercise 5

F E D C B A G F E D C B A F E D C B

Exercise 6

C B A G F E D C B A G F E D C B A G

Note Identification and Writing 1: On the Staff

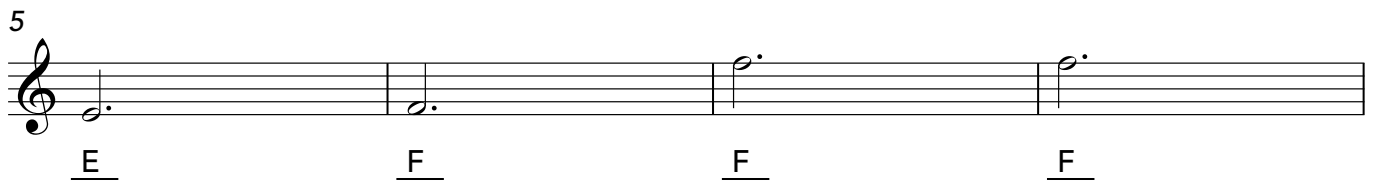
Exercise 1

1. Write the letter name of the note under the staff in each of the blanks.



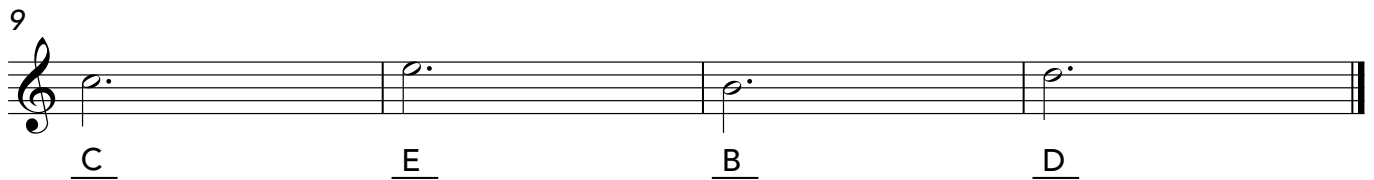
A musical staff in 3/4 time with a treble clef. It contains four measures, each with a dotted half note. The notes are D (first space), G (second space), A (third space), and E (fourth space). Below each note is a blank line for the letter name.

5



A musical staff in 3/4 time with a treble clef. It contains four measures, each with a dotted half note. The notes are E (first space), F (second space), F (second space), and F (second space). Below each note is a blank line for the letter name.

9



A musical staff in 3/4 time with a treble clef. It contains four measures, each with a dotted half note. The notes are C (first space), E (second space), B (third space), and D (fourth space). Below each note is a blank line for the letter name.

Exercise 2

1. Write a quarter note on the staff which matches the letter name under each measure.



F (Space 1) B C E (Space 4)



C F (Line 5) D G



D C F (Space 1) D



C F (Space 1) E (Space 4) D



E (Line 1) C G D

Note Identification and Writing 2: Ledger Lines

Exercise 1: Above the Staff

Three musical staves in treble clef, each with four measures. Notes are placed above the staff lines. The notes and their corresponding letter labels below are:

- Staff 1: C (first space), B (second space), A (third space), G (fourth space)
- Staff 2: F (first space), C (second space), A (third space), G (fourth space)
- Staff 3: A (first space), C (second space), F (third space), G (fourth space)

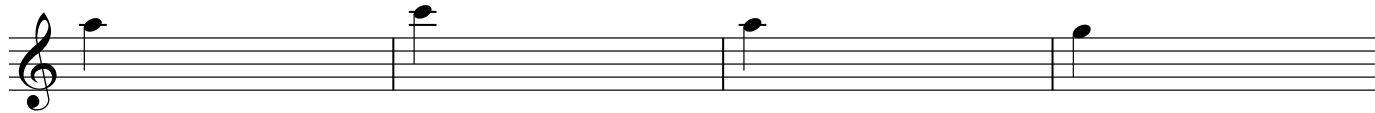
Exercise 2: Below the Staff

Three musical staves in treble clef, each with four measures. Notes are placed below the staff lines. The notes and their corresponding letter labels below are:

- Staff 1: F (below first line), D (below second line), E (below third line), C (below fourth line)
- Staff 2: E (below first line), G (below second line), F (below third line), A (below fourth line)
- Staff 3: G (below first line), C (below second line), G (below third line), B (below fourth line)



G B A G

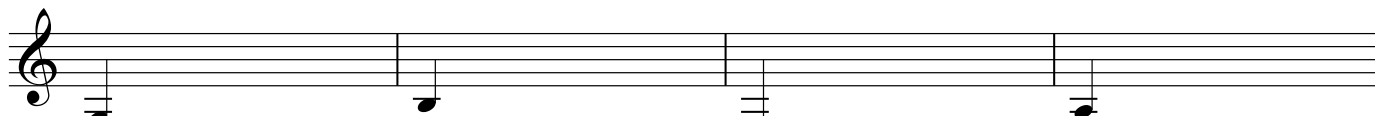


A C A G



A C B C

Exercise 3: Below the Staff



G B F A



G C D C



E G F D

Pitch and Notes 2: Answers

Pitch Class

Exercise 1

Exercise 2

Pitch Class: A
Notes: 3

Pitch Class: C
Notes: 3

Pitch Class: E
Notes: 3

Pitch Class: G
Notes: 3

Pitch Class: B
Notes: 3

Pitch Class: D
Notes: 2

Pitch Class: F
Notes: 3

Pitch Class: A
Notes: 3

Pitch Class: G
Notes: 3

Pitch Class: F
Notes: 3

Pitch Class: E
Notes: 3

Pitch Class: D
Notes: 2

Octave Register

Exercise 1

C4 C5 C6 C4 C6 C5 C6 C6 C5 C4 C4 C5

Exercise 2

E3 F3 G3 A3 B3 C4 D4 E4 F4 G4 A4 B4 C5 D5 E5 F5 G5 A5 B5 C6

Exercise 3

F5 G5 A5 B5 C6 C4 B5 B3 A5 A3 G5 G3 F3 F5 A5 C6

E3 G3 F3 A3 C4 B3 E4 D4 E4 C4 D4 B3 D4 E4 F5 G5

A5 A3 G5 G3 C6 C4 B5 B3 E4 C4 D4 B3 F3 F5 A5 C6

C6 C4 B5 B3 E3 G3 F3 A3 A5 A3 G5 G3 F5 G5 A5 B5

Octaves

Exercise 1



Octave
 Not octave

Octave
 Not octave

Octave
 Not octave

Octave
 Not octave



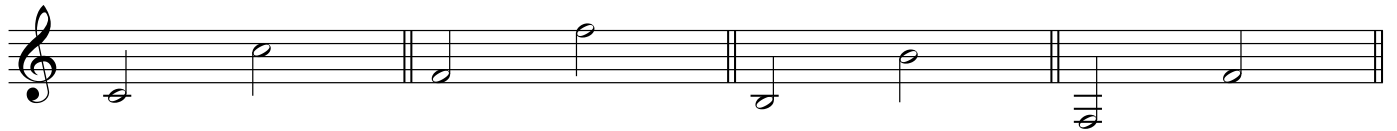
Octave
 Not octave

Octave
 Not octave

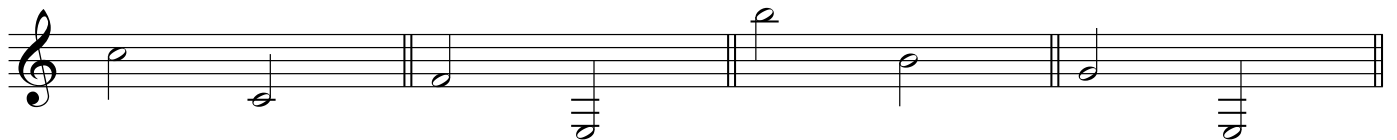
Octave
 Not octave

Octave
 Not octave

Exercise 2

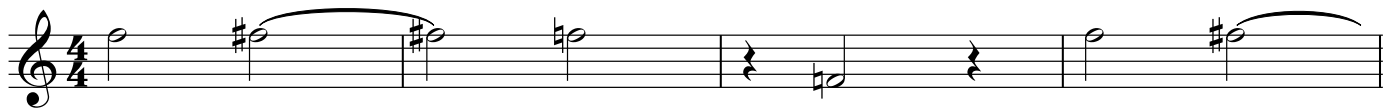


Exercise 3

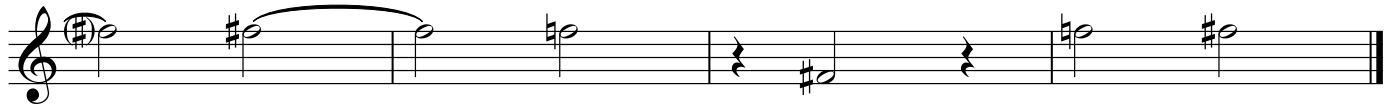


Courtesy Accidentals

Exercise 1

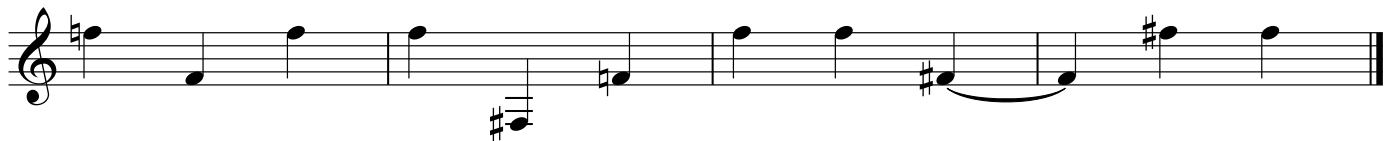
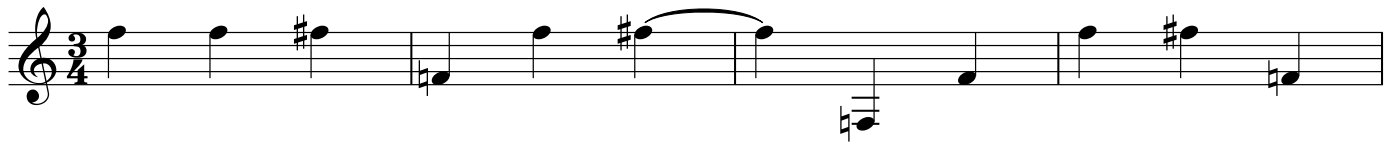


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| <input type="checkbox"/> Wrong | <input checked="" type="checkbox"/> Wrong | <input type="checkbox"/> Wrong | <input type="checkbox"/> Wrong | <input type="checkbox"/> Wrong |

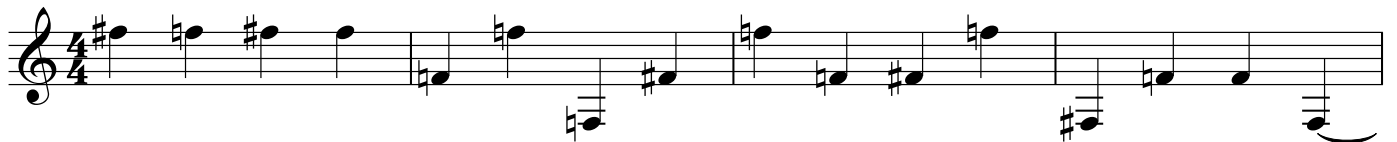


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| <input type="checkbox"/> Wrong | <input type="checkbox"/> Wrong | <input type="checkbox"/> Wrong | <input type="checkbox"/> Wrong | <input type="checkbox"/> Wrong | <input type="checkbox"/> Wrong | <input type="checkbox"/> Wrong |

Exercise 2



Exercise 3



The Full Musical Alphabet

Exercise 1

A A#/B^b B C C#/D^b D D#/E^b E F F#/G^b G G#/A^b A A#/B^b B C C#/D^b D D#/E^b E F F#/G^b G G#/A^b A A#/B^b

Exercise 2

A A#/B^b B C C#/D^b D D#/E^b E F F#/G^b G G#/A^b A A#/B^b B C C#/D^b D D#/E^b E F F#/G^b G G#/A^b A A#/B^b

Exercise 3

A A#/B^b B C C#/D^b D D#/E^b E F F#/G^b G G#/A^b A A#/B^b B C C#/D^b D D#/E^b E F F#/G^b G G#/A^b A A#/B^b

Exercise 4

A G#/A^b G F#/G^b F E D#/E^b D C#/D^b C B A#/B^b A G#/A^b G F#/G^b F E D#/E^b D C#/D^b C B A#/B^b A G#/A^b

Exercise 5

A G#/A^b G F#/G^b F E D#/E^b D C#/D^b C B A#/B^b A G#/A^b G F#/G^b F E D#/E^b D C#/D^b C B A#/B^b A G#/A^b

Exercise 6

A G#/A^b G F#/G^b F E D#/E^b D C#/D^b C B A#/B^b A G#/A^b G F#/G^b F E D#/E^b D C#/D^b C B A#/B^b A G#/A^b

Writing Half Steps

Exercise 1



- Half Step Half Step Half Step Half Step Half Step Half Step Half Step Half Step
 Not Not Not Not Not Not Not Not



- Half Step Half Step Half Step Half Step Half Step Half Step Half Step Half Step
 Not Not Not Not Not Not Not Not

Exercise 2

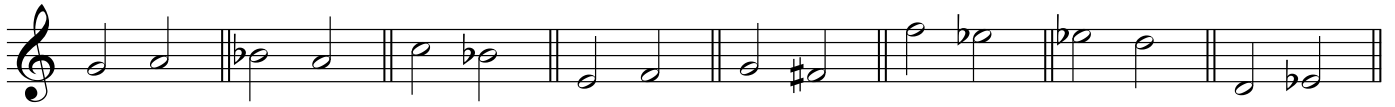


Exercise 3



Writing Whole Steps

Exercise 1

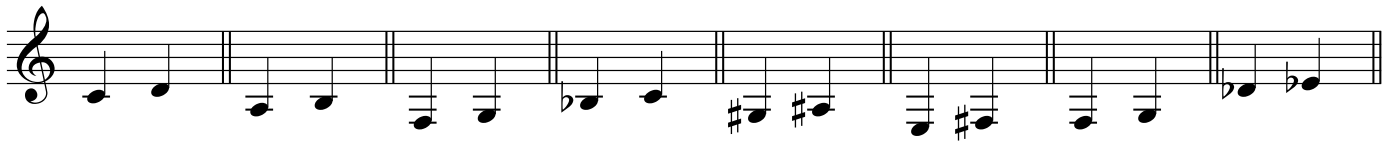


- Whole Step Whole Step Whole Step Whole Step Whole Step Whole Step Whole Step Whole Step
 Not Not Not Not Not Not Not Not



- Whole Step Whole Step Whole Step Whole Step Whole Step Whole Step Whole Step Whole Step
 Not Not Not Not Not Not Not Not

Exercise 2



Exercise 3



Pitch Class 2

Exercise 1

In every measure there are two notes that are the same pitch class and a third note that is not in the pitch class. Circle the note that does not belong in the pitch class.

Exercise 2

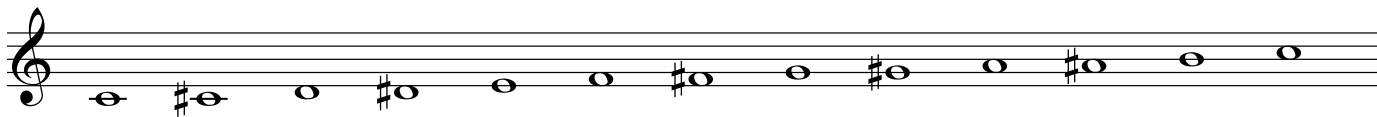
Write all the notes in the pitch class from lowest to highest sounding that we have learned so far. Use quarter notes.

Pitch Class: A Notes: 3	Pitch Class: C Notes: 3	Pitch Class: E Notes: 3	Pitch Class: G Notes: 3
Pitch Class: F# Notes: 3	Pitch Class: D Notes: 2	Pitch Class: F Notes: 3	Pitch Class: B Notes: 3
Pitch Class: G Notes: 3	Pitch Class: F Notes: 3	Pitch Class: F# Notes: 3	Pitch Class: D Notes: 2

Pitch and Notes 3: Answers

Writing Chromatic Scales

Exercise 1



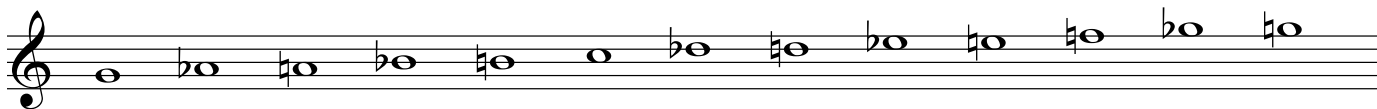
Exercise 2



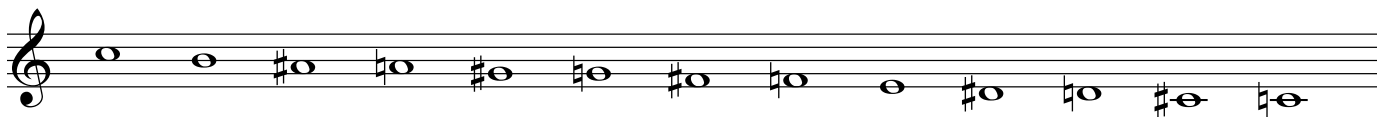
Exercise 3



Exercise 4



Exercise 5



Exercise 6



Major Scale, Write Scale Degrees

Write the scale degrees in the blanks under the staff. C is always $\hat{1}$. It does not matter which octave the note is written in. Think of the pitch class and write the scale degree that the pitch class of the note belongs to.

C Major Scale Degrees

A musical staff in 4/4 time showing the C major scale. The notes are: C4, D4, E4, F4, G4, A4, B4, C5, B4, A4, G4, F4, E4, D4, C4. Below the staff, the scale degrees are written as $\hat{1}$, $\hat{2}$, $\hat{3}$, $\hat{4}$, $\hat{5}$, $\hat{6}$, $\hat{7}$, $\hat{1}$, $\hat{2}$, $\hat{3}$, $\hat{4}$, $\hat{5}$, $\hat{6}$, $\hat{7}$, $\hat{4}$, $\hat{5}$.

A musical staff in 4/4 time showing the C major scale. The notes are: C4, D4, E4, F4, G4, A4, B4, C5, B4, A4, G4, F4, E4, D4, C4. Below the staff, the scale degrees are written as $\hat{6}$, $\hat{7}$, $\hat{1}$, $\hat{3}$, $\hat{5}$, $\hat{7}$, $\hat{2}$, $\hat{4}$, $\hat{1}$, $\hat{1}$, $\hat{2}$, $\hat{3}$, $\hat{4}$, $\hat{5}$, $\hat{6}$, $\hat{7}$.

G Major Scale Degrees

A musical staff in 4/4 time showing the G major scale. The notes are: G4, A4, B4, C5, D5, E5, F#5, G6, F#5, E5, D5, C5, B4, A4, G4. Below the staff, the scale degrees are written as $\hat{1}$, $\hat{2}$, $\hat{3}$, $\hat{4}$, $\hat{5}$, $\hat{6}$, $\hat{7}$, $\hat{1}$, $\hat{2}$, $\hat{3}$, $\hat{4}$, $\hat{5}$, $\hat{6}$, $\hat{7}$, $\hat{4}$, $\hat{5}$.

A musical staff in 4/4 time showing the G major scale. The notes are: G4, A4, B4, C5, D5, E5, F#5, G6, F#5, E5, D5, C5, B4, A4, G4. Below the staff, the scale degrees are written as $\hat{1}$, $\hat{7}$, $\hat{3}$, $\hat{2}$, $\hat{1}$, $\hat{5}$, $\hat{3}$, $\hat{2}$, $\hat{1}$, $\hat{7}$, $\hat{7}$, $\hat{7}$, $\hat{2}$, $\hat{2}$, $\hat{6}$, $\hat{1}$.

Major Scale, Write Scale Degrees

Write the scale degrees in the blanks under the staff. C is always $\hat{1}$. It does not matter which octave the note is written in. Think of the pitch class and write the scale degree that the pitch class of the note belongs to.

C Major Scale Degrees

A musical staff in 4/4 time showing the C major scale. The notes are C, D, E, F, G, A, B, C, D, E, F, G, A, B, A, G, F, E, D, C. Below the staff are 20 numbered blanks for scale degrees: $\hat{1}$, $\hat{2}$, $\hat{3}$, $\hat{4}$, $\hat{5}$, $\hat{6}$, $\hat{7}$, $\hat{1}$, $\hat{2}$, $\hat{3}$, $\hat{4}$, $\hat{5}$, $\hat{6}$, $\hat{7}$, $\hat{4}$, $\hat{5}$.

A musical staff in 4/4 time showing the C major scale. The notes are C, D, E, F, G, A, B, C, D, E, F, G, A, B, A, G, F, E, D, C. Below the staff are 20 numbered blanks for scale degrees: $\hat{6}$, $\hat{7}$, $\hat{1}$, $\hat{3}$, $\hat{5}$, $\hat{7}$, $\hat{2}$, $\hat{4}$, $\hat{1}$, $\hat{1}$, $\hat{2}$, $\hat{3}$, $\hat{4}$, $\hat{5}$, $\hat{6}$, $\hat{7}$.

G Major Scale Degrees

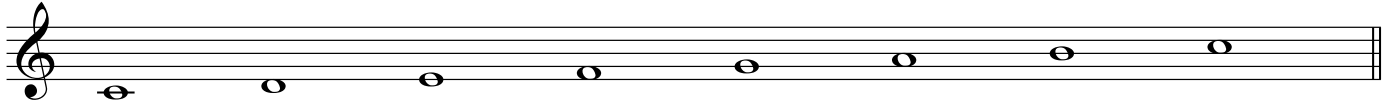
A musical staff in 4/4 time showing the G major scale. The notes are G, A, B, C, D, E, F#, G, A, B, C, D, E, F#, G, F#, E, D, C, B, A, G. Below the staff are 20 numbered blanks for scale degrees: $\hat{1}$, $\hat{2}$, $\hat{3}$, $\hat{4}$, $\hat{5}$, $\hat{6}$, $\hat{7}$, $\hat{1}$, $\hat{2}$, $\hat{3}$, $\hat{4}$, $\hat{5}$, $\hat{6}$, $\hat{7}$, $\hat{4}$, $\hat{5}$.

A musical staff in 4/4 time showing the G major scale. The notes are G, A, B, C, D, E, F#, G, A, B, C, D, E, F#, G, F#, E, D, C, B, A, G. Below the staff are 20 numbered blanks for scale degrees: $\hat{1}$, $\hat{7}$, $\hat{3}$, $\hat{2}$, $\hat{1}$, $\hat{5}$, $\hat{3}$, $\hat{2}$, $\hat{1}$, $\hat{7}$, $\hat{7}$, $\hat{7}$, $\hat{2}$, $\hat{2}$, $\hat{6}$, $\hat{1}$.

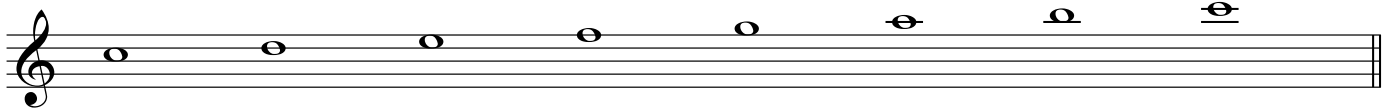
Writing Major Scales with Accidentals

Exercise 1

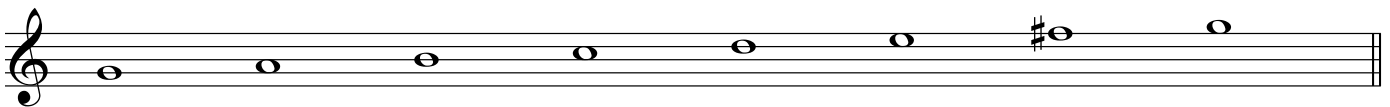
In exercises 1, 2, 3, and 4, write a major scale starting on the note provided and add accidentals. For extra credit, write the scale degrees below each note of the scale.



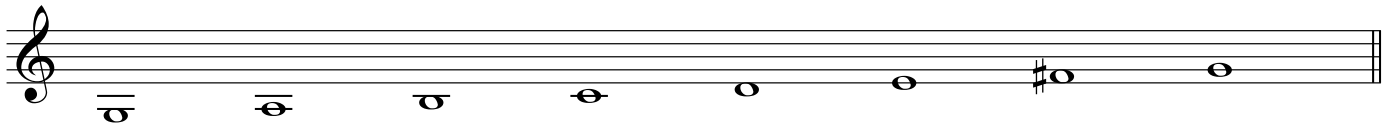
Exercise 2



Exercise 3

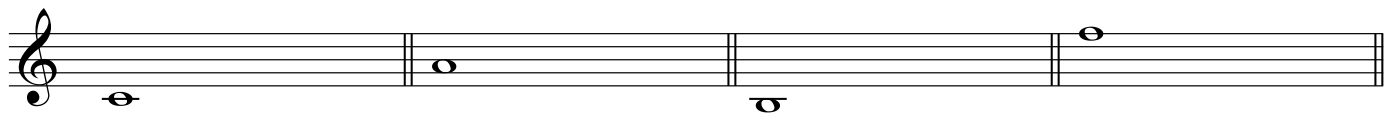


Exercise 4




Names of Major Scale Degrees


Exercise 1



 Tonic Submediant Leading tone Subdominant

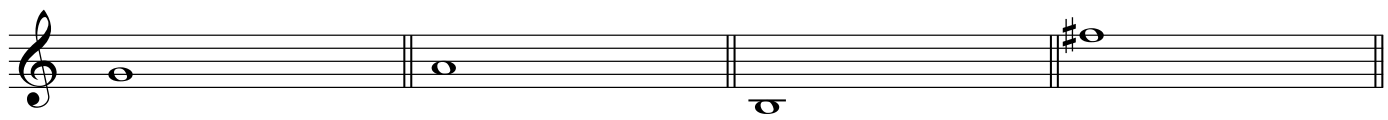


 Dominant Supertonic Submediant Dominant

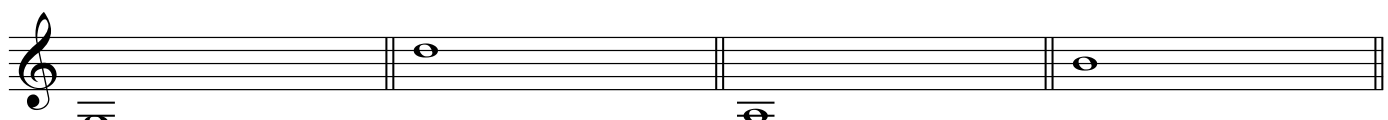


 Subdominant Mediant Submediant Supertonic

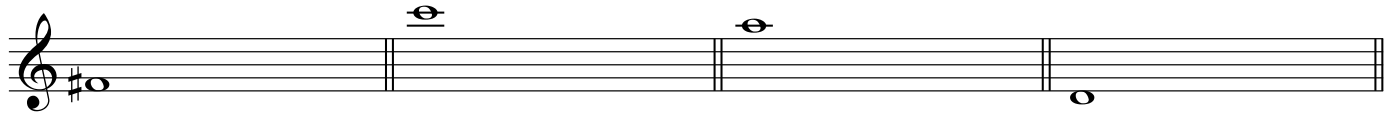
Exercise 2




 Tonic Supertonic Mediant Leading tone



 Tonic Dominant Supertonic Mediant



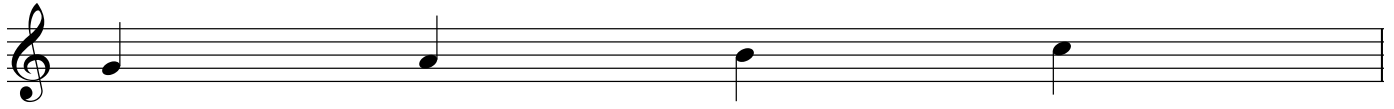
 Leading tone Subdominant Supertonic Dominant



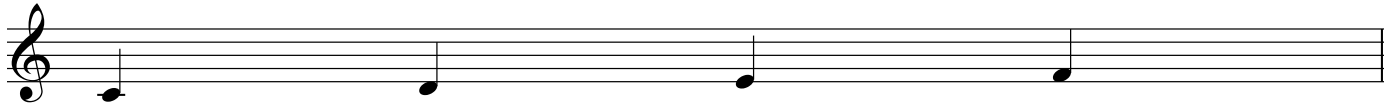
 Submediant Leading tone Submediant Subdominant

Writing Tetrachords

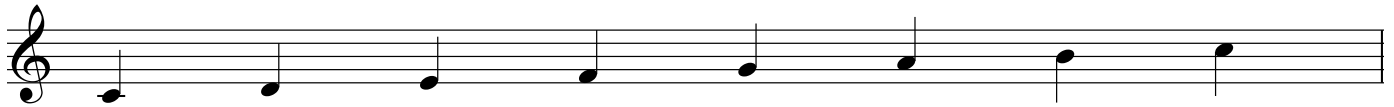
Exercise 1



Exercise 2



Exercise 3



Exercise 4



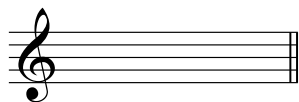
Exercise 5



Writing Key Signatures

Exercise 1

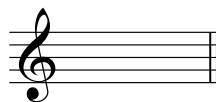
1. Identify the key signature and fill in the blanks below the staff with the correct upper-case letter.



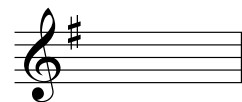
Key of C Major



Key of G Major



Key of C Major

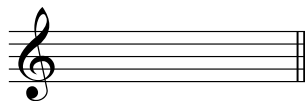


Key of G Major

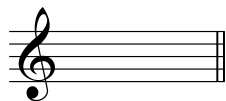
Exercise 2

1. Write the key signature by writing accidentals on the staff in every measure.

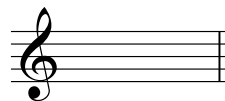
2. If no accidentals are needed for the key signature, leave it blank.



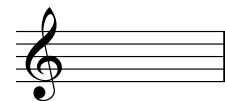
Key of C Major



Key of C Major



Key of C Major

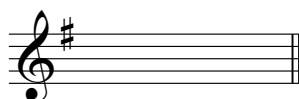


Key of C Major

Exercise 3

1. Write the key signature by writing accidentals on the staff in every measure.

2. If no accidentals are needed for the key signature, leave it blank.



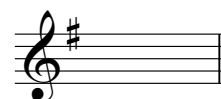
Key of G Major



Key of G Major



Key of G Major



Key of G Major

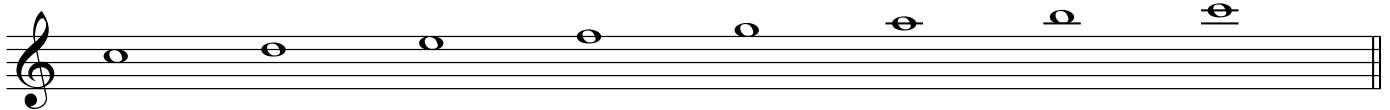
Writing Major Scales with Key Signatures

Exercise 1

In exercises 1, 2, 3, and 4, write a key signature and major scale starting on the note provided.



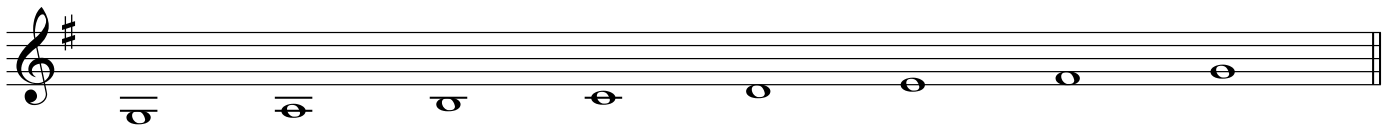
Exercise 2



Exercise 3



Exercise 4



Natural Minor Scale, Write Scale Degrees

A Natural Minor Scale Degrees

Write the scale degrees in the blanks under the staff. A is always $\hat{1}$. It does not matter which octave the note is written in. Think of the pitch class and write the scale degree that the pitch class of the note belongs to.

$\hat{1}$ $\hat{2}$ $\flat\hat{3}$ $\hat{4}$ $\hat{5}$ $\flat\hat{6}$ $\flat\hat{7}$ $\hat{1}$ $\hat{2}$ $\flat\hat{3}$ $\hat{4}$ $\hat{5}$ $\flat\hat{6}$ $\flat\hat{7}$ $\hat{4}$ $\hat{5}$

$\hat{4}$ $\hat{5}$ $\flat\hat{6}$ $\hat{5}$ $\hat{4}$ $\flat\hat{3}$ $\hat{2}$ $\hat{1}$ $\flat\hat{3}$ $\flat\hat{6}$ $\hat{2}$ $\flat\hat{3}$ $\hat{2}$ $\flat\hat{6}$ $\flat\hat{7}$ $\hat{1}$

E Natural Minor Scale Degrees

Write the scale degrees in the blanks under the staff. E is always $\hat{1}$. It does not matter which octave the note is written in. Think of the pitch class and write the scale degree that the pitch class of the note belongs to.

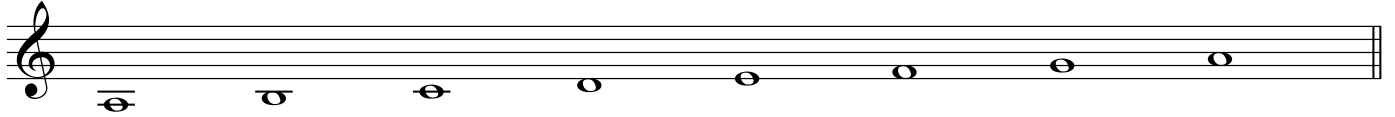
$\hat{1}$ $\hat{2}$ $\flat\hat{3}$ $\hat{4}$ $\hat{5}$ $\flat\hat{6}$ $\flat\hat{7}$ $\hat{1}$ $\sharp\hat{2}$ $\flat\hat{3}$ $\hat{4}$ $\hat{5}$ $\flat\hat{6}$ $\flat\hat{7}$ $\hat{4}$ $\hat{5}$

$\sharp\hat{2}$ $\flat\hat{3}$ $\flat\hat{6}$ $\flat\hat{7}$ $\flat\hat{7}$ $\hat{5}$ $\flat\hat{6}$ $\hat{4}$ $\hat{5}$ $\flat\hat{3}$ $\hat{4}$ $\sharp\hat{2}$ $\flat\hat{3}$ $\sharp\hat{2}$ $\flat\hat{6}$ $\hat{1}$

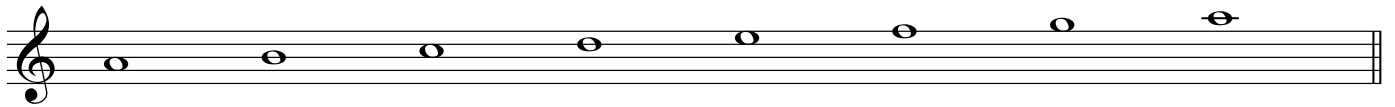
Writing Natural Minor Scales with Accidentals

Exercise 1

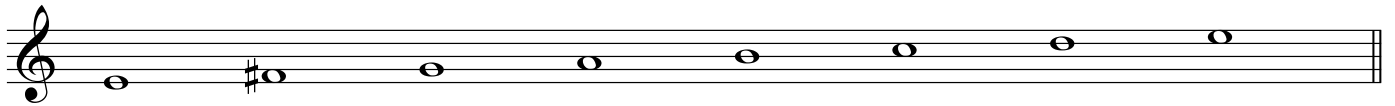
In exercises 1, 2, 3, and 4, write a natural minor scale starting on the note provided and add accidentals. For extra credit, write the scale degrees below each note of the scale.



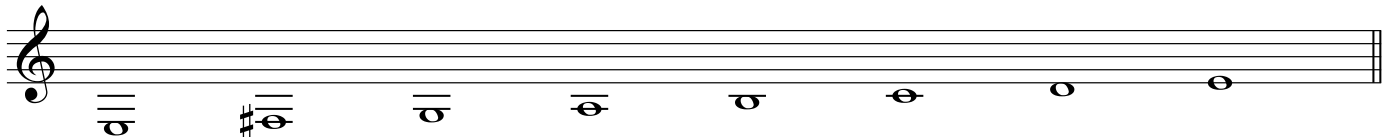
Exercise 2



Exercise 3



Exercise 4



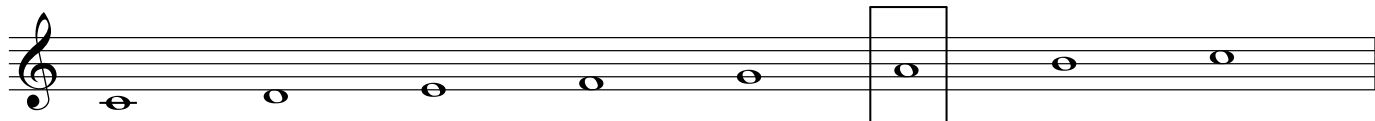
Relative Keys and Scales

For more information on relative keys, refer to p. 94 of *The Best Music Theory Book for Beginners 1*.

Exercise 1

Step 1

Write the first note of the C major scale. Then, write the next six notes of the **basic** musical alphabet ascending.

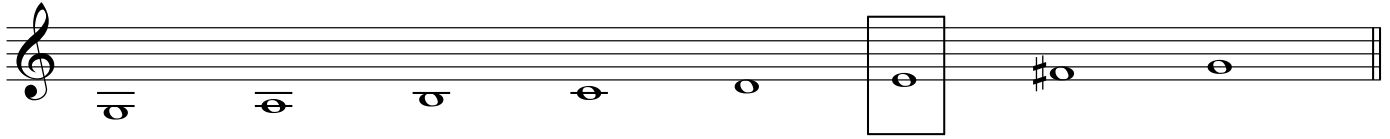


Step 2

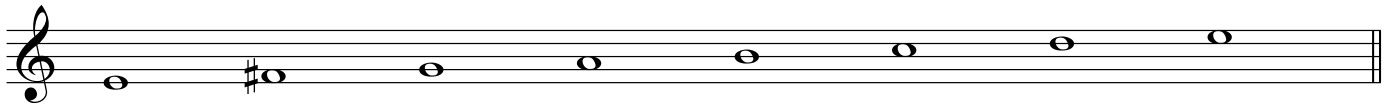


Exercise 2

Step 1



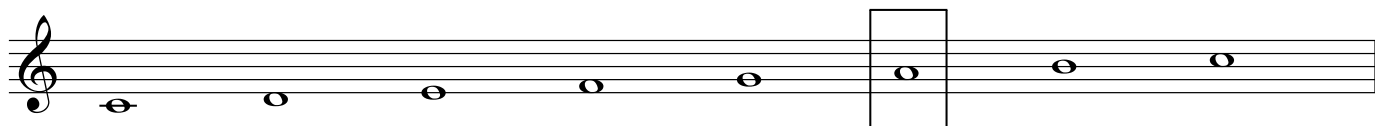
Step 2



Relative Keys: Key Signatures

Exercise 1

Step 1

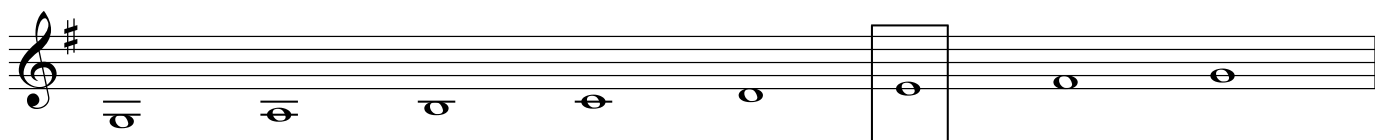


Step 2

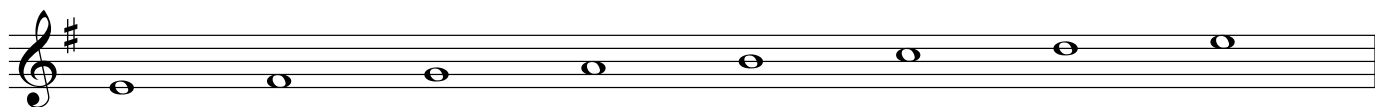


Exercise 2

Step 1



Step 2



Write the Note Names C Major and A Natural Minor

Fill in the blanks with the correct note names to complete the major scale or the relative natural minor scale.

Scale Degree	$\hat{1}$	$\hat{2}$	$\hat{3}$	$\hat{4}$	$\hat{5}$	$\hat{6}$	$\hat{7}$
Note Name	C	D	E	F	G	A	B

	$\hat{6}$	$\hat{7}$						
Scale Degree	A	B	$\hat{1}$	$\hat{2}$	$\hat{3}$	$\hat{4}$	$\hat{5}$	
Note Name			C	D	E	F	G	

Scale Degree	$\hat{6}$	$\hat{7}$	$\hat{1}$	$\hat{2}$	$\hat{3}$	$\hat{4}$	$\hat{5}$
Note Name	A	B	C	D	E	F	G

Scale Degree	$\hat{1}$	$\hat{2}$	$\flat\hat{3}$	$\hat{4}$	$\hat{5}$	$\flat\hat{6}$	$\flat\hat{7}$
Note Name	A	B	C	D	E	F	G

Relative Key Signatures

C Major



A Minor



G Major



E Minor



A Minor



E Minor



C Major



G Major



Relative Step Formula

Write in either "Whole" or "Half" where the whole or half step should go to complete the major step formula or the natural minor step formula.



Scale Degree	$\hat{1}$	$\hat{2}$	$\hat{3}$	$\hat{4}$	$\hat{5}$	$\hat{6}$	$\hat{7}$	$\hat{1}(\hat{8})$
Major: Step Formula		Whole	Whole	Half	Whole	Whole	Whole	Half

Scale Degree		$\hat{6}$	$\hat{7}$		$\hat{1}$	$\hat{2}$	$\hat{3}$	$\hat{4}$	$\hat{5}$	$\hat{6}$
Major: Step Formula		Whole	Half		Whole	Whole	Half	Whole	Whole	

Scale Degree	$\hat{6}$	$\hat{7}$	$\hat{1}$	$\hat{2}$	$\hat{3}$	$\hat{4}$	$\hat{5}$	$\hat{6}$
Major: Step Formula	Whole	Half	Whole	Whole	Half	Whole	Whole	

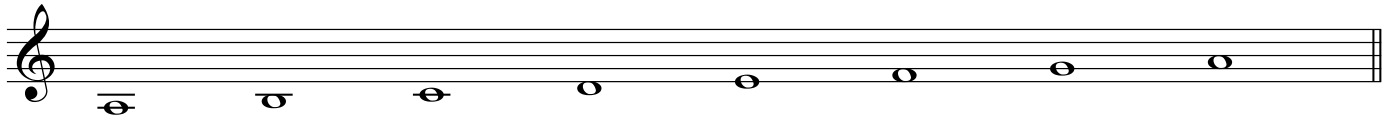
Scale Degree	$\hat{1}$	$\hat{2}$	$\flat\hat{3}$	$\hat{4}$	$\hat{5}$	$\flat\hat{6}$	$\flat\hat{7}$	$\hat{1}(\hat{8})$
Minor: Step Formula	Whole	Half	Whole	Whole	Half	Whole	Whole	

Writing Natural Minor Scales with Key Signatures

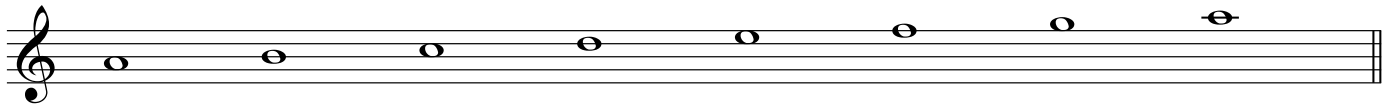
Review p. 94-95 in *The Best Music Theory Book for Beginners 1* for a step by step example and walk-through.

Exercise 1

In exercises 1, 2, 3, and 4, write a key signature and natural minor scale starting on the note provided.



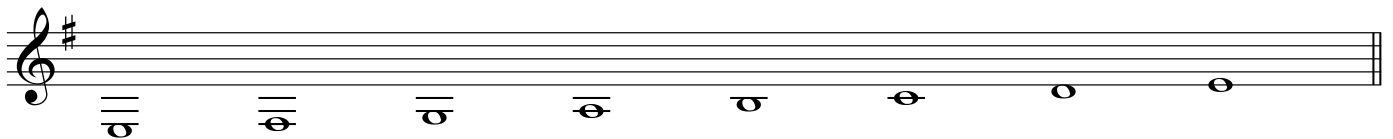
Exercise 2



Exercise 3



Exercise 4



Names of Natural Minor Scale Degrees

Exercise 1

Exercise 1 consists of three musical staves, each with four measures. The notes and their corresponding scale degrees are as follows:

Staff	Measure 1	Measure 2	Measure 3	Measure 4
1	C4 (Tonic)	B3 (Subtonic)	A3 (Supertonic)	G3 (Submediant)
2	F3 (Subtonic)	E3 (Subdominant)	D3 (Tonic)	C3 (Mediant)
3	G3 (Mediant)	F3 (Dominant)	E3 (Submediant)	D3 (Supertonic)

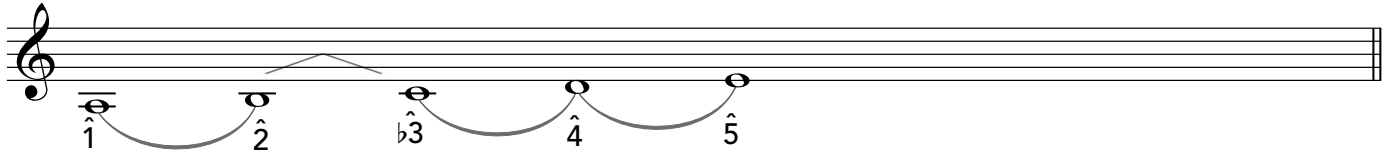
Exercise 2

Exercise 2 consists of three musical staves, each with four measures. The notes and their corresponding scale degrees are as follows:

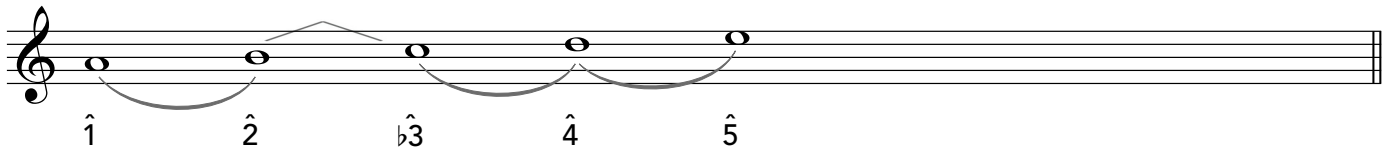
Staff	Measure 1	Measure 2	Measure 3	Measure 4
1	C4 (Tonic)	F3 (Subdominant)	G3 (Dominant)	A3 (Supertonic)
2	E3 (Mediant)	D3 (Subtonic)	C3 (Subdominant)	B2 (Dominant)
3	A3 (Supertonic)	G3 (Submediant)	F3 (Mediant)	E3 (Subtonic)

Writing Pentachords

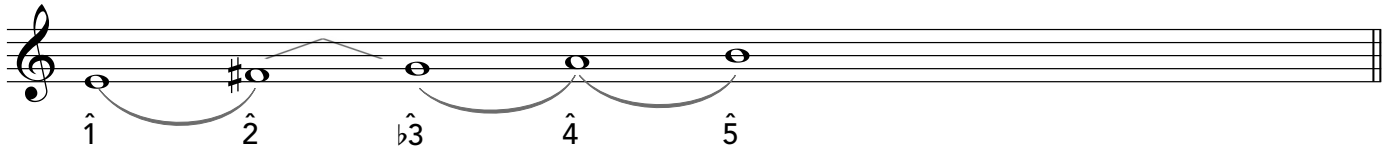
Exercise 1



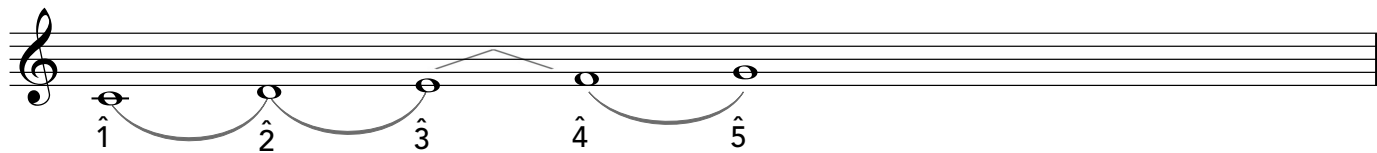
Exercise 2



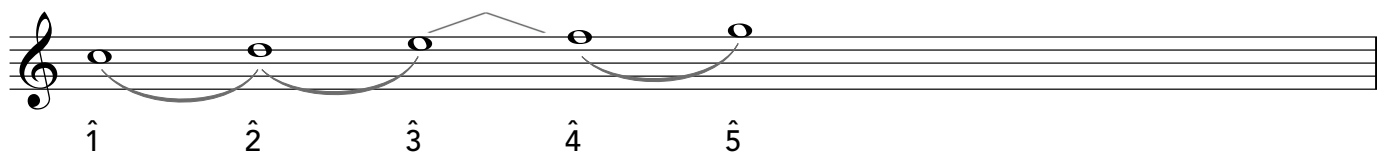
Exercise 3



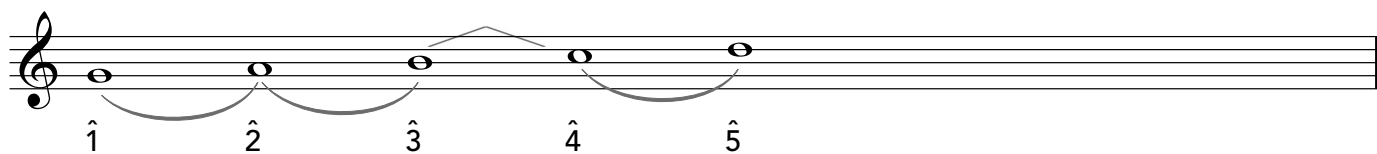
Exercise 4



Exercise 5



Exercise 6

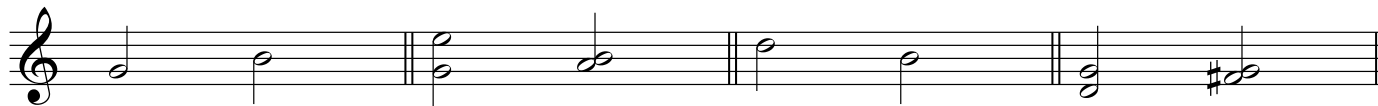


Pitch and Notes 4: Answers

Interval Identification 1

Interval Direction

Exercise 1



asc. _____ hrm. hrm. dsc. hrm. hrm.



dsc. hrm. hrm. asc. dsc.



asc. dsc. asc. hrm. hrm.

Interval Quality

Exercise 1

Major = M Minor = m Perfect = P Diminished = d Augmented = A

Exercise 2

Write the abbreviations for the possible qualities for each interval.

U can be P 2 can be m or M 3 can be m or M 4 can be P or A 5 can be P or d

6 can be m or M 7 can be m or M 8 can be P

Interval Identification 2: Harmonic Intervals

Easy Major Scale Intervals: C

Major Intervals = M

Major intervals align with $\hat{2}$, $\hat{3}$, $\hat{6}$, and $\hat{7}$ of the major scale. 2nds, 3rds, 6ths, and 7ths can be major.

C to D
M2

C to E
M3

C to A
M6

C to B
M7

Perfect Intervals = P

Perfect intervals align with $\hat{1}$, $\hat{4}$ and $\hat{5}$ of the major scale. Unisons, octaves, 4ths, and 5ths are perfect.

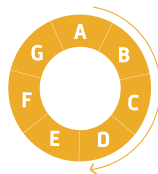
C to C
PU

C to F
P4

C to G
P5

C to C
P8

This means that all harmonic intervals that have C as the lowest and use notes from a C major scale will be either M or P. This is a shortcut for any harmonic interval where the lowest note is C.



Interval Distance + Quality

1. Count up from C to the highest note in the interval to get the "some kind of..." interval distance.
2. If the highest note in the interval is a note from the C major scale, the interval quality is either M or P.

hrn. PU

hrn. M2

hrn. M3

hrn. P4

hrn. P5

hrn. M6

hrn. M7

hrn. P8

Harmonic Intervals: C

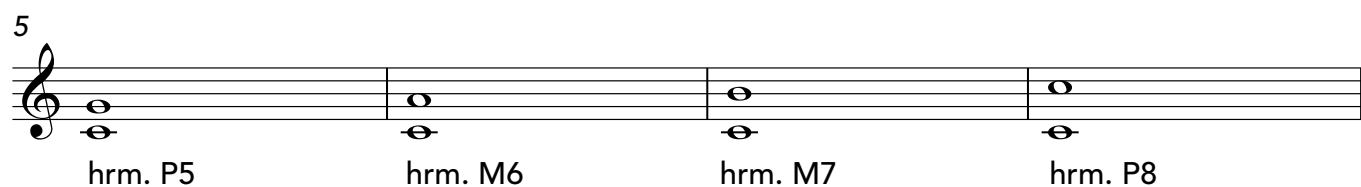
You are in "easy major scale land" and qualities can be M, P, and U.

1. Figure out the "some kind of" interval distance.
2. Both notes are from a C major scale. The quality is either U, M, or P.
3. Write the interval direction, quality, and distance in the blanks below the staff.



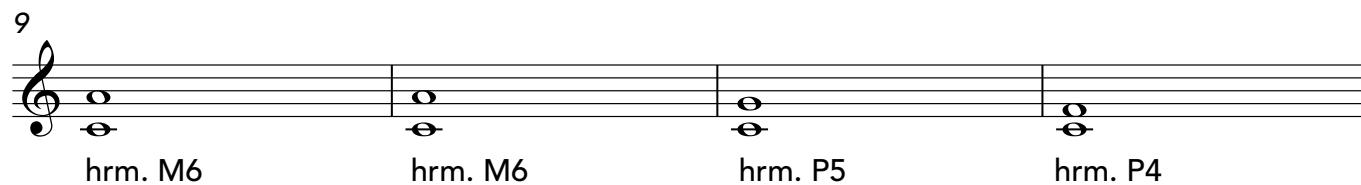
hrm. PU hrm. M2 hrm. M3 hrm. P4

5



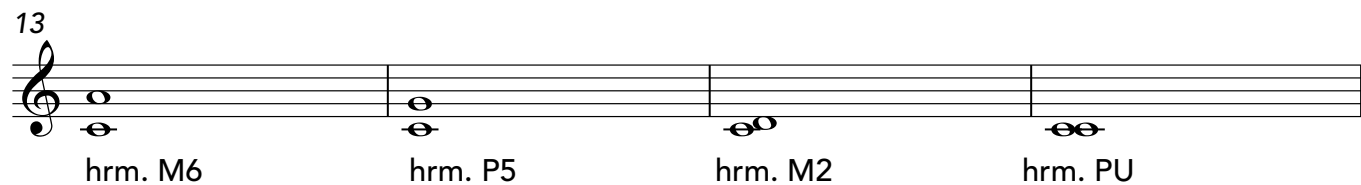
hrm. P5 hrm. M6 hrm. M7 hrm. P8

9



hrm. M6 hrm. M6 hrm. P5 hrm. P4

13



hrm. M6 hrm. P5 hrm. M2 hrm. PU

Easy Major Scale Intervals: G

Major Intervals = M

Major intervals align with $\hat{2}$, $\hat{3}$, $\hat{6}$, and $\hat{7}$ of the major scale. 2nds, 3rds, 6ths, and 7ths can be major.

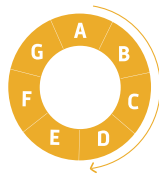
A musical staff in G major (one sharp) showing intervals from G. Orange arcs connect the notes: G to A (M2), G to B (M3), G to E (M6), and G to F# (M7). The notes are: G (bottom line), A (first space), B (second space), C (third space), D (fourth space), E (fifth space), F# (first line), G (second line).

Perfect Intervals = P

Perfect intervals align with $\hat{1}$, $\hat{4}$ and $\hat{5}$ of the major scale. Unisons, octaves, 4ths, and 5ths are perfect.

A musical staff in G major showing intervals from G. Orange arcs connect the notes: G to G (PU), G to C (P4), G to D (P5), and G to G (P8). The notes are: G (bottom line), G (second line), C (third space), D (fourth space), G (second line).

This means that all harmonic intervals that have G as the lowest and use notes from a G major scale will be either M or P. This is a shortcut for any harmonic interval where the lowest note is G.



Interval Distance + Quality

1. Count up from G to the highest note in the interval to get the "some kind of..." interval distance.
2. If the highest note in the interval is a note from the G major scale, the interval quality is either M or P.

A musical staff in G major showing harmonic intervals from G. The notes are: G (bottom line), G (second line), A (first space), B (second space), C (third space), D (fourth space), E (fifth space), F# (first line), G (second line). The intervals are labeled below the staff: hrm. PU, hrm. M2, hrm. M3, hrm. P4, hrm. P5, hrm. M6, hrm. M7, hrm. P8.

Harmonic Intervals: G

You are in "easy major scale land" and qualities can be M, P, and U.

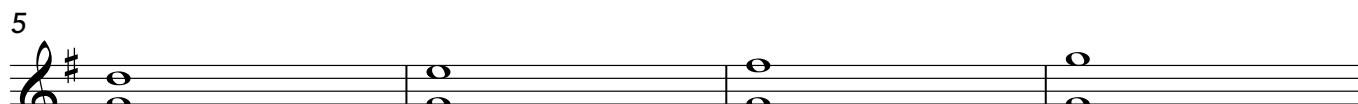
1. Figure out the "some kind of" interval distance.
2. Both notes are from a G major scale. The quality is either U, M, or P.
3. Write the interval direction, quality, and distance in the blanks below the staff.

5



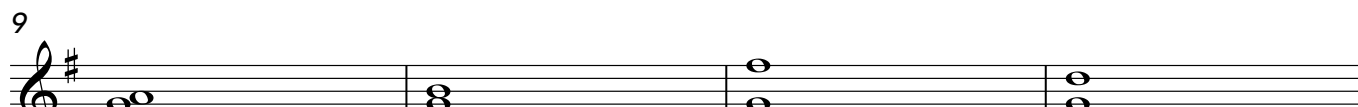
hrm. PU hrm. M6 hrm. M3 hrm. P4

5




hrm. P5 hrm. M6 hrm. M7 hrm. P8

9



hrm. M2 hrm. M3 hrm. M7 hrm. P5

13

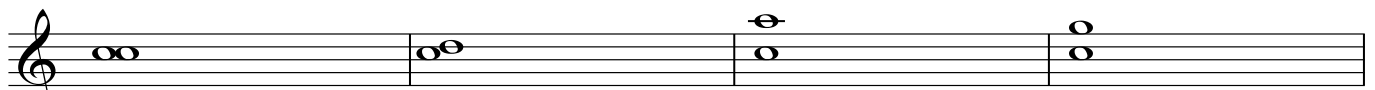


hrm. PU hrm. P8 hrm. M7 hrm. M6

Harmonic Intervals: Some More Practice

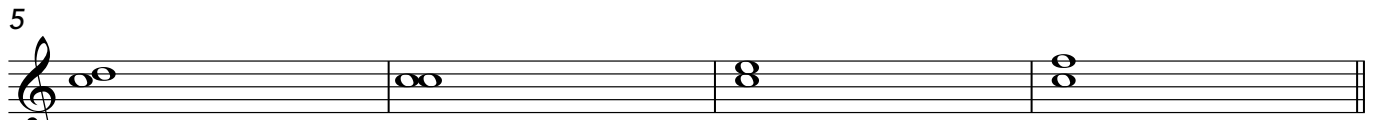
You are in "easy major scale land" and qualities can be M, P, and U.

1. Figure out the "some kind of" interval distance.
2. Both notes are from a C major scale. The quality is either U, M, or P.
3. Write the interval direction, quality, and distance in the blanks below the staff.




hrm. PU hrm. M2 hrm. M6 hrm. P5

5




hrm. M2 hrm. PU hrm. M3 hrm. P4

9



hrm. P5 hrm. M6 hrm. M2 hrm. PU

13



hrm. P5 hrm. P4 hrm. M6 hrm. P5

More Harmonic Intervals



hrm. P5 hrm. A4 hrm. M3 hrm. M2 hrm. M7 hrm. P4 hrm. P5 hrm. P8



hrm. P4 hrm. M3 hrm. M2 hrm. PU hrm. M6 hrm. m3 hrm. P4 hrm. m7



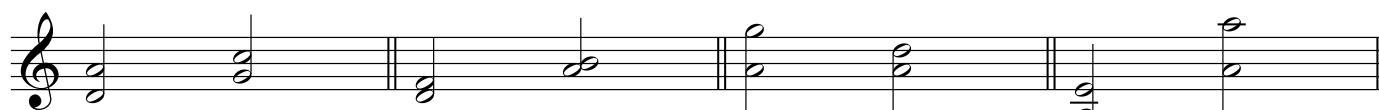
hrm. m6 hrm. d5 hrm. A4 hrm. M3 hrm. m7 hrm. P5 hrm. m6 hrm. P8



hrm. d5 hrm. M3 hrm. M2 hrm. M3 hrm. m6 hrm. M3 hrm. P4 hrm. m7



hrm. m7 hrm. M6 hrm. A4 hrm. P4 hrm. m2 hrm. m6 hrm. M2 hrm. M6



hrm. P5 hrm. P4 hrm. m3 hrm. M2 hrm. m7 hrm. P4 hrm. P5 hrm. P8

Interval Identification 3: Ascending Intervals

Key: C Major

Exercise

The exercise consists of five staves of music, each containing eight measures of ascending intervals. The intervals are identified as follows:

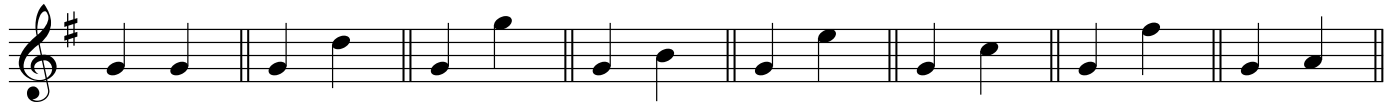
- Staff 1: asc. M2, asc. P4, asc. M3, asc. P5, asc. M7, asc. M6, asc. P8, PU
- Staff 2: PU, asc. P8, asc. M6, asc. P5, asc. M7, asc. P4, asc. M3, asc. M2
- Staff 3: asc. M3, asc. P5, asc. M2, PU, asc. M7, asc. M6, asc. P8, asc. P4
- Staff 4: asc. M6, asc. M7, asc. P5, asc. M3, asc. P4, asc. M2, PU, asc. M3
- Staff 5: asc. P5, asc. M3, asc. M7, asc. P8, asc. M6, asc. P8, asc. M2, asc. M2

Key: G Major

Exercise



asc. M2 asc. P4 asc. M3 asc. P5 asc. M7 asc. M6 asc. P8 PU



PU asc. P5 asc. P8 asc. M3 asc. M6 asc. P4 asc. M7 asc. M2



asc. M3 asc. P5 asc. M2 PU asc. M7 asc. M6 asc. P8 asc. P4



asc. M6 asc. M7 asc. P5 asc. M3 asc. P4 asc. M2 PU asc. M2



asc. P5 asc. M7 asc. M3 asc. P8 asc. M3 asc. M6 asc. P4 asc. M6



asc. M7 asc. M6 asc. P8 asc. P5 asc. M2 asc. P4 asc. M7 asc. M2

More Ascending Melodic Intervals

asc. M2 asc. P4 asc. M3 asc. P5 asc. m7 asc. m6 asc. P8 PU

asc. m2 asc. d5 asc. P8 asc. m3 asc. M6 asc. P4 asc. M7 asc. m7

asc. M3 asc. P5 asc. M2 PU asc. m7 asc. M6 asc. P8 asc. A4

asc. m6 asc. M7 asc. P5 asc. m3 asc. A4 asc. M2 PU asc. M2

asc. d5 asc. m7 asc. m3 asc. P8 asc. m3 asc. m6 asc. A4 asc. M6

asc. m7 asc. M6 asc. P8 asc. P5 asc. M2 asc. P4 asc. m7 asc. m2

Interval Identification 4: Descending Intervals

Key: C Major

dsc. m2 dsc. P4 dsc. m3 dsc. P5 dsc. m7 dsc. m6 dsc. P8 PU

PU dsc. P8 dsc. m6 dsc. P5 dsc. m7 dsc. P4 dsc. m3 dsc. m2

dsc. m3 dsc. P5 dsc. m2 PU dsc. m7 dsc. m6 dsc. P8 dsc. P4

dsc. m6 dsc. m7 dsc. P5 dsc. m3 dsc. P4 dsc. m2 PU dsc. m3

dsc. P5 dsc. m3 dsc. m7 dsc. P8 dsc. m6 dsc. P8 dsc. m2 dsc. m3

Key: G Major

dsc. m2 dsc. P4 dsc. m3 dsc. P5 dsc. m7 dsc. m6 dsc. P8 PU

PU dsc. P5 dsc. P8 dsc. m3 dsc. m6 dsc. P4 dsc. m7 dsc. m2

dsc. m3 dsc. P5 dsc. m2 PU dsc. m7 dsc. m6 dsc. P8 dsc. P4

dsc. m6 dsc. m7 dsc. P5 dsc. m3 dsc. P4 dsc. m2 PU dsc. m2

dsc. P5 dsc. m7 dsc. m3 dsc. P8 dsc. m3 dsc. m6 dsc. P4 dsc. m6

dsc. m7 dsc. m6 dsc. P8 dsc. P5 dsc. m2 dsc. P4 dsc. m7 dsc. m2

More Descending Melodic Intervals

dsc. M2 dsc. P4 dsc. m3 dsc. P5 dsc. M7 asc. M6 dsc. P8 PU

dsc. M2 dsc. A4 dsc. P8 dsc. m3 dsc. m6 dsc. P4 dsc. m7 dsc. M7

dsc. m3 dsc. P5 dsc. M2 PU dsc. m7 dsc. M6 dsc. P8 dsc. d5

dsc. m6 dsc. m7 dsc. P5 dsc. M3 dsc. d5 dsc. m2 PU dsc. M2

dsc. d5 dsc. M7 dsc. M3 dsc. P8 dsc. m3 dsc. M6 dsc. P4 dsc. m6

dsc. M7 dsc. M6 dsc. P8 dsc. P5 dsc. M2 dsc. P4 dsc. M7 dsc. M2

Write Harmonic Intervals: C & G

1. 2. 3. (Think only, do not write out) 4. 5.

hrm. P5 hrm. P5 hrm. P5 hrm. P5 hrm. M2 hrm. M2

Whole Notes

hrm. M2 hrm. PU hrm. M3 hrm. M7 hrm. P4 hrm. M6 hrm. P5 hrm. M7


hrm. P4 hrm. M6 hrm. P5 hrm. M2 hrm. PU hrm. M3 hrm. M3 hrm. M6


Half Notes


hrm. PU hrm. M2 hrm. M3 hrm. P4 hrm. P5 hrm. M6 hrm. M7 hrm. P8


hrm. P8 hrm. M7 hrm. M6 hrm. P5 hrm. P4 hrm. M3 hrm. M2 hrm. PU

Write Ascending Intervals: C & G


1.  asc. P5

2.  asc. P5


3. (Think only, do not write out)  asc. P5

4.  asc. P5

Whole Notes



PU asc. M2 asc. M3 asc. P4 asc. P5 asc. M6 asc. M7 asc. P8

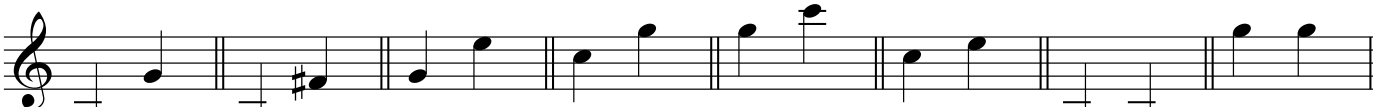


asc. P8 asc. M7 asc. M6 asc. P5 asc. P4 asc. M3 asc. M2 PU

Quarter Notes





PU asc. M2 asc. M3 asc. P4 asc. P5 asc. M6 asc. M7 asc. P8





asc. P8 asc. M7 asc. M6 asc. P5 asc. P4 asc. M3 asc. M2 PU

Write Descending Intervals: C & G

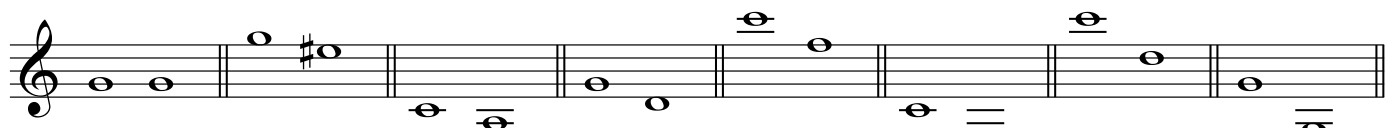
1.  dsc. P5

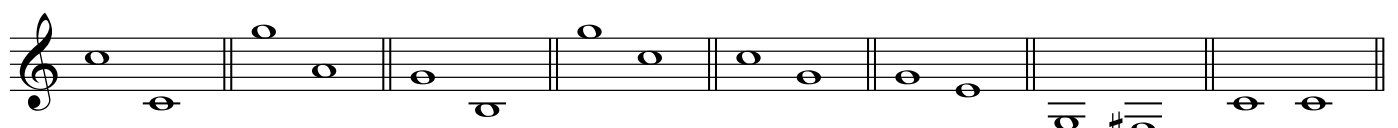
2.  dsc. P5

3. (Think only, do not write out)  dsc. P5


4.  dsc. P5


Whole Notes

 PU dsc. m2 dsc. m3 dsc. P4 dsc. P5 dsc. m6 dsc. m7 dsc. P8

 dsc. P8 dsc. m7 dsc. m6 dsc. P5 dsc. P4 dsc. m3 dsc. m2 PU

Quarter Notes

 PU dsc. m2 dsc. m3 dsc. P4 dsc. P5 dsc. m6 dsc. m7 dsc. P8

 dsc. P8 dsc. m7 dsc. m6 dsc. P5 dsc. P4 dsc. m3 dsc. m2 PU

Writing Simple Intervals

Harmonic

Whole Notes

hrm. M2 hrm. PU hrm. M3 hrm. M7 hrm. P4 hrm. M6 hrm. P5 hrm. m2

hrm. m3 hrm. m6 hrm. m7 hrm. A4 hrm. d5 hrm. A4 hrm. d5 hrm. M2

Half Notes

hrm. PU hrm. m2 hrm. M2 hrm. m3 hrm. M3 hrm. P4 hrm. A4 hrm. d5

hrm. m6 hrm. M6 hrm. m7 hrm. M7 hrm. m3 hrm. M3 hrm. M2 hrm. m2

Quarter Notes

hrm. PU hrm. M7 hrm. m7 hrm. M6 hrm. m6 hrm. P5 hrm. d5 hrm. A4

hrm. P4 hrm. M3 hrm. m3 hrm. M2 hrm. m2 hrm. M2 hrm. m3 hrm. M3

Ascending

Whole Notes

asc. m2 asc. M7 asc. M2 asc. m7 asc. m3 asc. M6 asc. M3 asc. m6

asc. P4 asc. P5 asc. A4 asc. d5 asc. M2 asc. M6 asc. P4 asc. d5

Half Notes

asc. P8 asc. M7 asc. m7 asc. M6 asc. m6 asc. P5 asc. d5 asc. A4

asc. P4 asc. M3 asc. m3 asc. M2 asc. m2 PU asc. M7 asc. M2

Quarter Notes

asc. m2 asc. M2 asc. m3 asc. M3 asc. P4 asc. A4 asc. d5 asc. P5

asc. m6 asc. M6 asc. m7 asc. M7 asc. P8 asc. m2 asc. P4 asc. m6

Descending

Whole Notes

dsc. m2 dsc. M7 dsc. M2 dsc. m7 dsc. m3 dsc. M6 dsc. M3 dsc. M6

dsc. P4 dsc. P5 dsc. A4 dsc. d5 dsc. M2 dsc. M6 dsc. P4 dsc. d5

Half Notes

dsc. P8 dsc. M7 dsc. m7 dsc. M6 dsc. m6 dsc. P5 dsc. d5 dsc. A4

dsc. P4 dsc. M3 dsc. m3 dsc. M2 dsc. m2 PU dsc. M7 dsc. M2

Quarter Notes

dsc. m2 dsc. M2 dsc. m3 dsc. M3 dsc. P4 dsc. A4 dsc. d5 dsc. P5

dsc. m6 dsc. M6 dsc. m7 dsc. M7 dsc. P8 dsc. m2 dsc. P4 dsc. m6

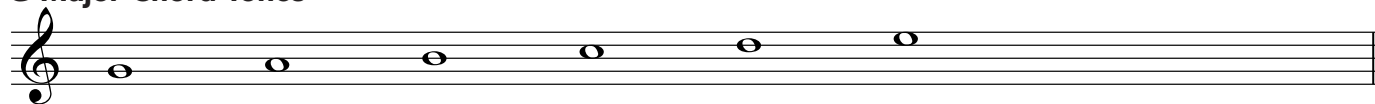
Harmony 1: Answers

Writing Triads

Naming Chord Tones

Write the letter name for each chord tone in the blank spaces.

G Major Chord Tones



Root: G

Third: B

Fifth: D

E Minor Chord Tones

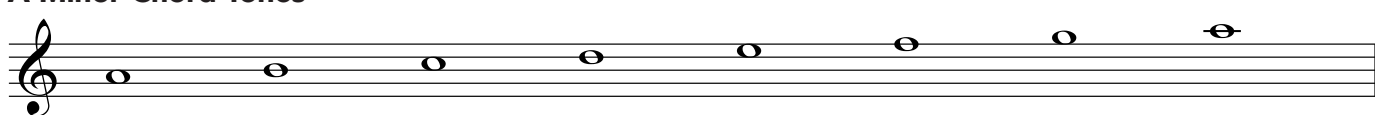


Root: E

Third: G

Fifth: B

A Minor Chord Tones

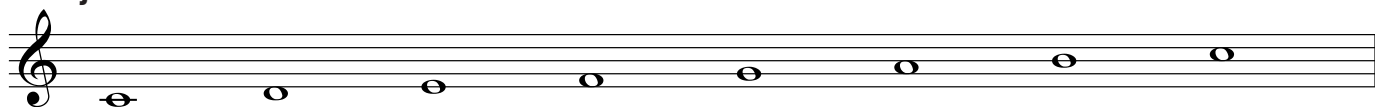


Root: A

Third: C

Fifth: E

C Major Chord Tones

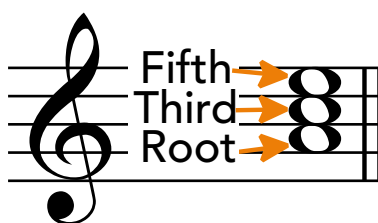
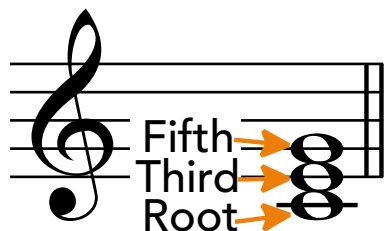


Root: C

Third: E

Fifth: G

Label the Root, Third, and Fifth



Write the Chord Symbol

Write the chord symbol in the blank.

Root: C Third: E Fifth: G Chord Symbol: C

Root: E Third: G Fifth: B Chord Symbol: E-

Root: G Third: B Fifth: D Chord Symbol: G

Root: A Third: C Fifth: E Chord Symbol: A-

Write the Triad Intervals

Write the interval quality and distance (PU, m2, M3, m3, M4, P4, P5) in the blanks.

Between the root and third of all major triads there is an interval of a M3

Between the third and fifth of all major triads there is an interval of a m3

Between the root and fifth of all major triads there is an interval of a P5

Between the root and third of all minor triads there is an interval of a m3

Between the third and fifth of all minor triads there is an interval of a M3

Between the root and fifth of all minor triads there is an interval of a P5

Label the Triad Intervals

Write the interval quality and distance (PU, m2, M3, m3, M4, P4, P5) next to the brackets.

The image shows four musical staves, each with a treble clef and a triad. Brackets are drawn between the notes to indicate intervals for labeling:

- Staff 1: A triad with notes C4, E4, G4. Brackets are between C4-E4 (labeled m3) and E4-G4 (labeled M3). A larger bracket is between C4 and G4 (labeled P5).
- Staff 2: A triad with notes E4, G4, B4. Brackets are between E4-G4 (labeled m3) and G4-B4 (labeled M3). A larger bracket is between E4 and B4 (labeled P5).
- Staff 3: A triad with notes G4, B4, D5. Brackets are between G4-B4 (labeled M3) and B4-D5 (labeled m3). A larger bracket is between G4 and D5 (labeled P5).
- Staff 4: A triad with notes A4, C5, E5. Brackets are between A4-C5 (labeled M3) and C5-E5 (labeled m3). A larger bracket is between A4 and E5 (labeled P5).

Writing Triads with Intervals 1

C A- E- G A- C E- G

Writing Triads with Accidentals 1

C E- E- G G A-

C5 E3 E4 G3 G4 A3

Writing Triads with Key Signatures

C E- E- G G A-

C4 E3 E4 G3 G4 A4

Writing Triads with Dots

See p. 114 of The Best Music Theory Book for Beginners 1 for a step-by-step walk-through for writing triads with dots.

Add Dots to the Triads

Add dots to each half note triad.

Complete the Triad and Add Dots

Complete the triad using the provided note as the root of your triad. Add dots to complete your dotted half note triads, add stems, and accidentals if needed. Add courtesy accidentals if appropriate.

Writing Triads with Ties

See p. 114 of The Best Music Theory Book for Beginners 1 for a step-by-step walk-through for writing triads with ties.

Add the Ties to the Triads

Write the Second Triad and Add the Ties

Write the a G triad for the rhythmic value that will complete the measure in the blank beats of the staff. Add ties from the G triad in the previous measure to the one you have written.

Write the Chord Symbol 2

Write the chord symbol in the blank.

Key of C Major

Root: D Third: F Fifth: A Chord Symbol: D-

Root: F Third: A Fifth: C Chord Symbol: F

Root: A Third: C Fifth: E Chord Symbol: A-

Root: G Third: B Fifth: D Chord Symbol: G

Root: E Third: G Fifth: B Chord Symbol: E-

Root: C Third: E Fifth: G Chord Symbol: C

Key of G Major

Root: B Third: D Fifth: F# Chord Symbol: B-

Root: G Third: B Fifth: D Chord Symbol: G

Root: D Third: F# Fifth: A Chord Symbol: D

Root: E Third: G Fifth: B Chord Symbol: E-

Root: C Third: E Fifth: G Chord Symbol: C

Root: D Third: F# Fifth: A Chord Symbol: D

Root: B Third: D Fifth: F# Chord Symbol: B-

Write the Triad Intervals 2: Reminder

Write the interval quality and distance (PU, m2, M3, m3, M4, P4, P5) in the blanks.

Between the root and third of all major triads there is an interval of a M3

Between the third and fifth of all major triads there is an interval of a m3

Between the root and fifth of all major triads there is an interval of a P5

Between the root and third of all minor triads there is an interval of a m3

Between the third and fifth of all minor triads there is an interval of a M3

Between the root and fifth of all minor triads there is an interval of a P5

Label the Triad Intervals and Chord Symbols

1. Write the interval quality and distance (PU, m2, M3, m3, M4, P4, P5) next to the brackets.
2. Write the chord symbol for each triad above the staff.

A-

M3 m3 P5

B-

M3 m3 P5

E-

M3 m3 P5

D-

M3 m3 P5

E-

M3 m3 P5

A-

M3 m3 P5

G

m3 M3 P5

C

m3 M3 P5

D

m3 M3 P5

C

m3 M3 P5

F

m3 M3 P5

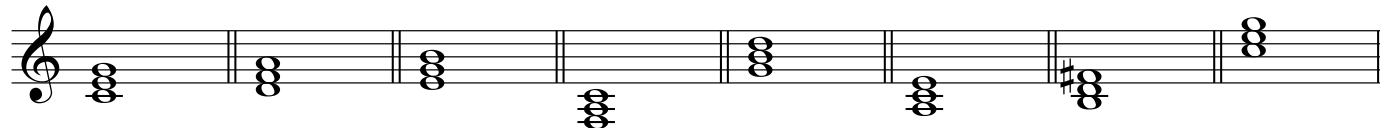
G

m3 M3 P5

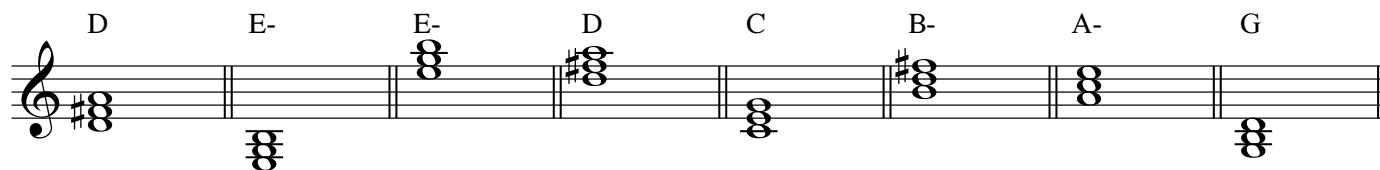
Writing Triads with Accidentals 2

Write Triads with Whole Notes

C D- E- F G A- B- C



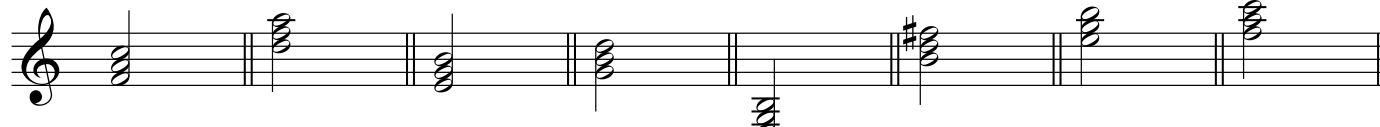
D E- E- D C B- A- G



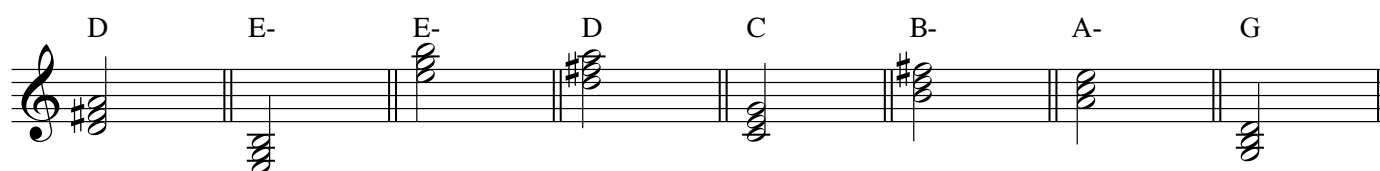
Write Triads with Half Notes

Write the noteheads, then add the stem.

F D- E- G E- B- E- F



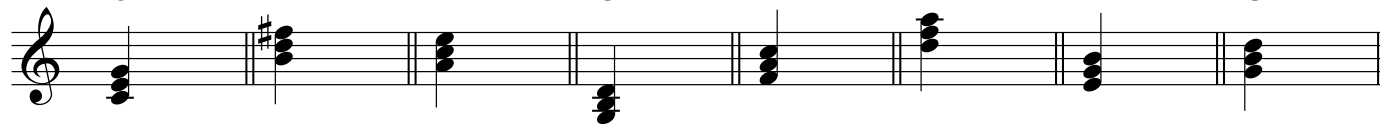
D E- E- D C B- A- G



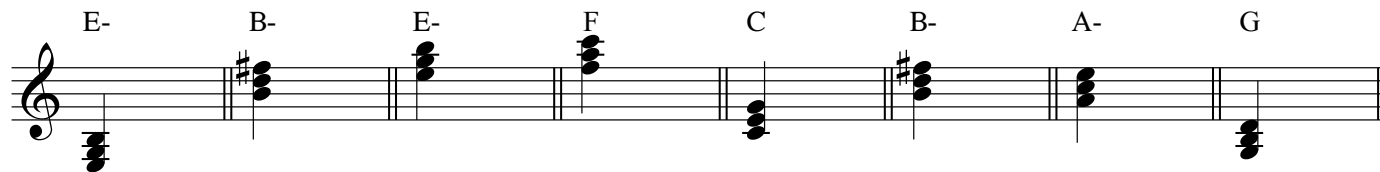
Write Triads with Quarter Notes

Write the noteheads, then add the stem.

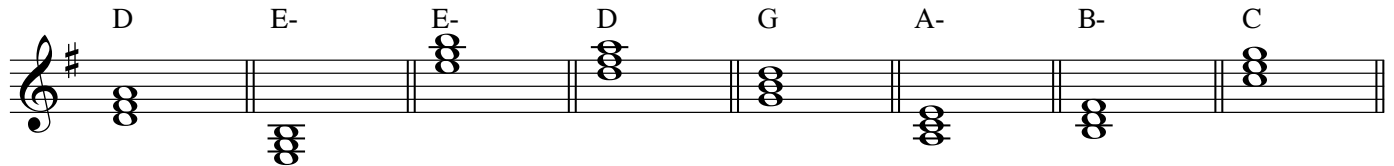
C B- A- G F D- E- G

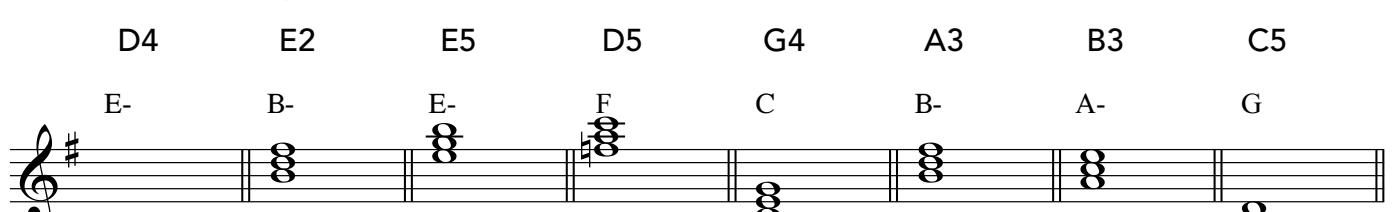



E- B- E- F C B- A- G



Writing Triads with Key Signatures 2

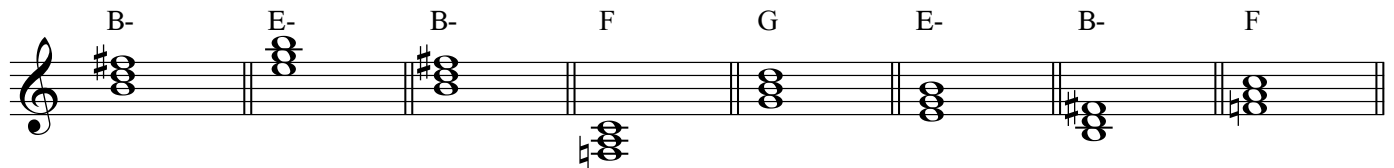
D E- E- D G A- B- C


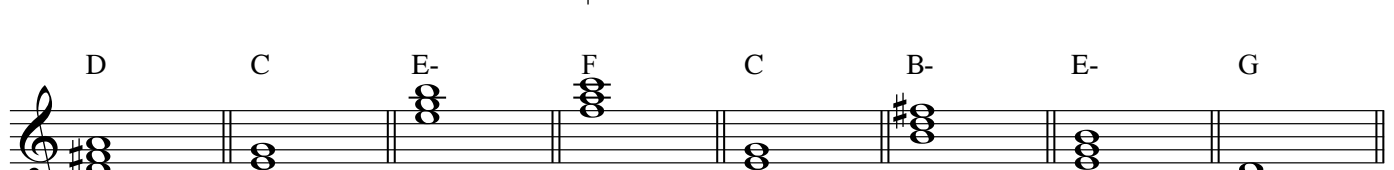
D4 E2 E5 D5 G4 A3 B3 C5
 E- B- E- F C B- A- G


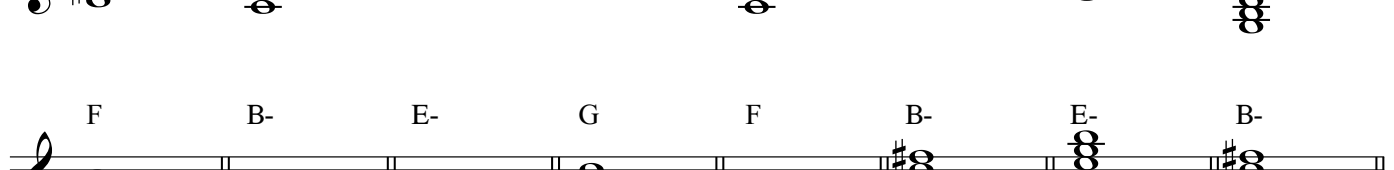
E2 B4 E5 F5 C4 B4 A4 G3


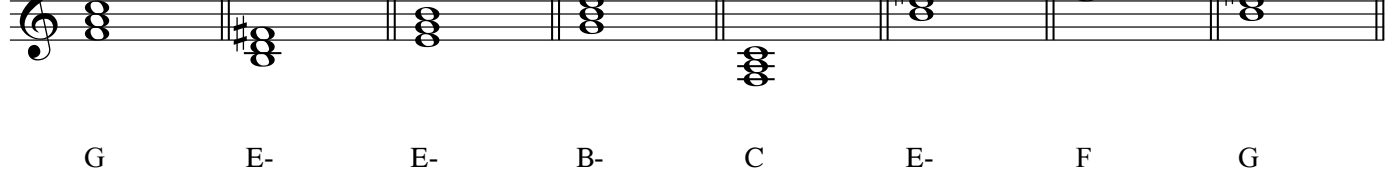
Triad Identification

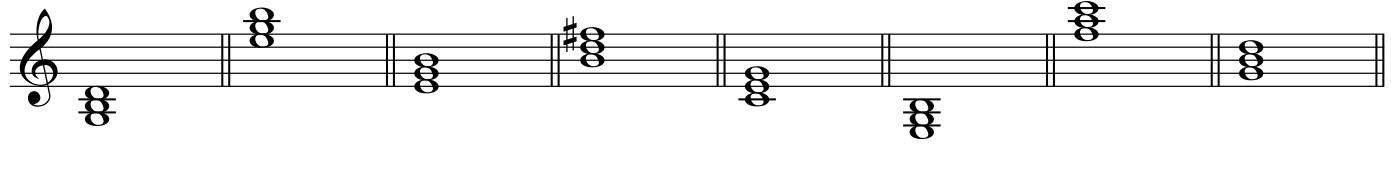
Write the chord symbol for the written triad above the measure for each triad.

B- E- B- F G E- B- F


D C E- F C B- E- G


F B- E- G F B- E- B-


G E- E- B- C E- F G


F D E- B- F E- F D


Writing Roman Numerals: Major Scales and Keys

C Major Write the Roman Numerals

ii iii iii ii V vi I I

iii ii iii IV I V vi V

IV ii iii V I ii iii IV

G Major Write the Roman Numerals

IV V vi I IV iii ii I

IV V vi I I ii iii IV

vi iii vi I V vi vi V

G Major Write the Triads for the Roman Numerals

The answer key for this exercise shows only one particular triad. As long as you have the right chord root and quality, it counts as a correct answer. For example, if you write an A- triad starting on A4, but the answer key has an A - triad starting on A3, it is still a correct answer.

vi vi V I vi iii vi I

I ii iii IV IV V vi I

I IV iii ii I IV V vi

C Major Write the Triads for the Roman Numerals

The answer key for this exercise shows only one particular triad. As long as you have the right chord root and quality, it counts as a correct answer. When the same RN is repeated, challenge yourself to write it in a different octave as the answer you gave for that RN earlier in the exercise.

IV ii iii iii IV I I iii

ii iii IV V vi iii V I

ii iii V vi V iii ii ii

Writing Major Scales Harmonized to the Fifth

See p. 116 of *The Best Music Theory Book for Beginners 1* for a full walk-through on harmonizing major scales.

With Accidentals

C Major Scale Harmonized to the Fifth

Start on the provided note and harmonize the C major scale to the fifth to $\hat{6}$. Add accidentals when needed. Add roman numerals below each chord and chord symbols above each chord. Start on the note provided.

A musical staff in treble clef showing six chords for the C major scale harmonized to the fifth. Above the staff are the chord symbols: C, D-, E-, F, G, and A-. Below the staff are the Roman numerals: I, ii, iii, IV, V, and vi. The chords are: C (C4, E4, G4), D- (D4, F4, A4), E- (E4, G4, B4), F (F4, A4, C5), G (G4, B4, D5), and A- (A4, C5, E5).

G Major Scale Harmonized to the Fifth

Start on the provided note and harmonize the G major scale to the fifth to $\hat{6}$. Add accidentals when needed. Add roman numerals below each chord and chord symbols above each chord. Start on the note provided.

A musical staff in treble clef showing six chords for the G major scale harmonized to the fifth. Above the staff are the chord symbols: G, A-, B-, C, D, and E-. Below the staff are the Roman numerals: I, ii, iii, IV, V, and vi. The chords are: G (G4, B4, D5), A- (A4, C5, E5), B- (B4, D5, F#5), C (C5, E5, G5), D (D5, F#5, A5), and E- (E5, G5, B5).

With Key Signatures

C Major Scale Harmonized to the Fifth

Start on the provided note and harmonize the C major scale to the fifth with a key signature to $\hat{6}$. Add roman numerals below each chord and chord symbols above each chord. Start on the note provided.

A musical staff in treble clef showing six chords for the C major scale harmonized to the fifth. Above the staff are the chord symbols: C, D-, E-, F, G, and A-. Below the staff are the Roman numerals: I, ii, iii, IV, V, and vi. The chords are: C (C4, E4, G4), D- (D4, F4, A4), E- (E4, G4, B4), F (F4, A4, C5), G (G4, B4, D5), and A- (A4, C5, E5).

G Major Scale Harmonized to the Fifth

Start on the provided note and harmonize the G major scale to the fifth with a key signature to $\hat{6}$. Add roman numerals below each chord and chord symbols above each chord. Start on the note provided.

A musical staff in treble clef with a key signature of one sharp (F#). It shows six chords for the G major scale harmonized to the fifth. Above the staff are the chord symbols: G, A-, B-, C, D, and E-. Below the staff are the Roman numerals: I, ii, iii, IV, V, and vi. The chords are: G (G4, B4, D5), A- (A4, C5, E5), B- (B4, D5, F#5), C (C5, E5, G5), D (D5, F#5, A5), and E- (E5, G5, B5).

Natural Minor Chords

Writing Natural Minor Quality Formula

Write The Minor Triad Quality Formula

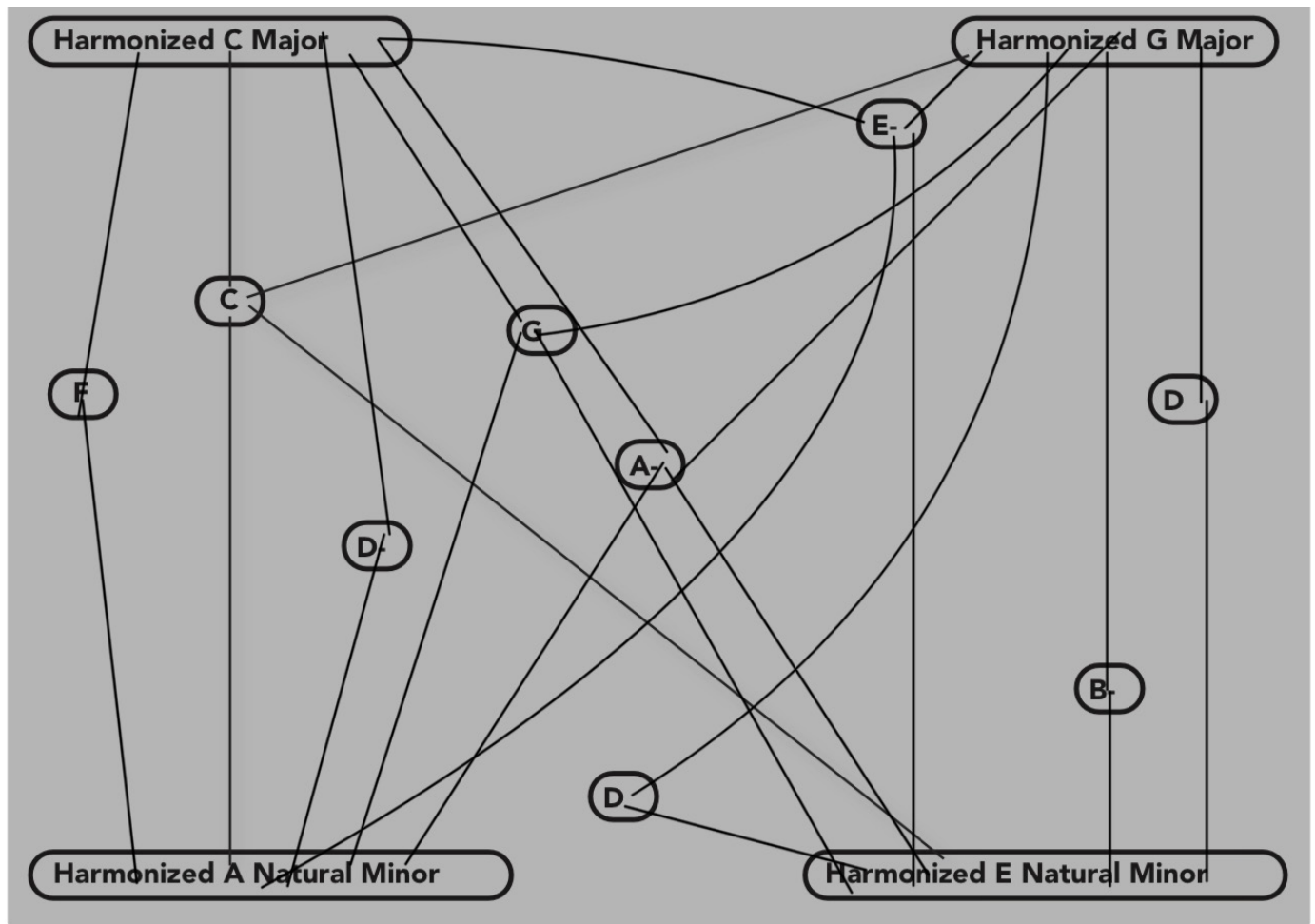
Fill in the blanks to complete The Major Triad Quality Formula.

Minor Skip Major Minor Minor Major Major

Minor Skip Major Minor Minor Major Major

Minor Skip Major Minor Minor Major Major

Connect the Chords to the Scales



Writing Roman Numerals: Natural Minor Scales and Keys

In the following exercises, you will practice writing and identifying roman numerals in the keys of A and E minor.

A Minor Write the Roman Numerals

The image shows three musical staves, each with 8 measures. Each measure contains a triad of notes. The first staff has a treble clef and a key signature of one flat (B-flat). The notes in the measures are: (1) B-flat, D, F; (2) D, F, A-flat; (3) F, A-flat, B-flat; (4) A-flat, B-flat, D; (5) B-flat, D, F; (6) D, F, A-flat; (7) F, A-flat, B-flat; (8) A-flat, B-flat, D. Below the first measure is the Roman numeral 'iv', and below the other seven measures are dashes. The second staff has a treble clef and a key signature of one flat. The notes in the measures are: (1) B-flat, D, F; (2) D, F, A-flat; (3) F, A-flat, B-flat; (4) A-flat, B-flat, D; (5) B-flat, D, F; (6) D, F, A-flat; (7) F, A-flat, B-flat; (8) A-flat, B-flat, D. Below all measures are dashes. The third staff has a treble clef and a key signature of one flat. The notes in the measures are: (1) B-flat, D, F; (2) D, F, A-flat; (3) F, A-flat, B-flat; (4) A-flat, B-flat, D; (5) B-flat, D, F; (6) D, F, A-flat; (7) F, A-flat, B-flat; (8) A-flat, B-flat, D. Below all measures are dashes.

E Minor Write the Roman Numerals

Remember that in the E minor example, every time you see the note "F," it is actually an F#.

The first staff shows the following triads and Roman numerals: i, i, VII, III, VII, VI, iv, III.

The second staff shows the following triads and Roman numerals: iv, v, VI, III, III, VI, VII, i.

The third staff shows the following triads and Roman numerals: i, v, i, III, VI, v, VII, i.

E Minor Write the Triads for the Roman Numerals

The answer key for this exercise shows only one particular triad. As long as you have the right chord root and quality, it counts as a correct answer. For example, if you write an A- triad starting on A4, but the answer key has an A - triad starting on A3, it is still a correct answer.

The first staff shows the following triads and Roman numerals: iv, v, VI, III, VII, VI, iv, III.

The second staff shows the following triads and Roman numerals: i, i, VII, III, III, i, v, i.

The third staff shows the following triads and Roman numerals: III, VI, VII, III, VI, v, VII, i.

A Minor Write the Triads for the Roman Numerals

The answer key for this exercise shows only one particular triad. As long as you have the right chord root and quality, it counts as a correct answer. When the same RN is repeated, challenge yourself to write it in a different octave as the answer you gave for that RN earlier in the exercise.

The image displays three musical staves, each containing eight measures of triads in A minor. The Roman numerals for each triad are listed below the staff.

Staff 1:

- Measure 1: III
- Measure 2: iv
- Measure 3: v
- Measure 4: v
- Measure 5: v
- Measure 6: iv
- Measure 7: v
- Measure 8: iv

Staff 2:

- Measure 1: III
- Measure 2: VII
- Measure 3: III
- Measure 4: VII
- Measure 5: iv
- Measure 6: v
- Measure 7: i
- Measure 8: VII

Staff 3:

- Measure 1: VI
- Measure 2: iv
- Measure 3: v
- Measure 4: III
- Measure 5: VII
- Measure 6: i
- Measure 7: VI
- Measure 8: VI

Writing Natural Minor Scales Harmonized to the Fifth

See p. 118 of *The Best Music Theory Book for Beginners 1* for a full walk-through on harmonizing natural minor scales.

With Accidentals

A Natural Minor Scale Harmonized to the Fifth

Start on the provided note and harmonize the A natural minor scale to the fifth, skipping $\hat{2}$. Add accidentals when needed. Add roman numerals below each chord and chord symbols above each chord. Start on the note provided.

A musical staff in treble clef showing six chords for the A natural minor scale. Above the staff, the starting notes are A-, C, D-, E-, F, and G. Below the staff, the chords are represented by three-note triads. Roman numerals are placed below each chord: i, III, iv, v, VI, VII. Chord symbols are placed above each chord: A-, C, D-, E-, F, G.

E Natural Minor Scale Harmonized to the Fifth

Start on the provided note and harmonize the E natural minor scale to the fifth, skipping $\hat{2}$. Add accidentals when needed. Add roman numerals below each chord and chord symbols above each chord. Start on the note provided.

A musical staff in treble clef showing six chords for the E natural minor scale. Above the staff, the starting notes are E-, G, A-, B-, C, and D. Below the staff, the chords are represented by three-note triads. Roman numerals are placed below each chord: i, III, iv, v, VI, VII. Chord symbols are placed above each chord: E-, G, A-, B-, C, D. The B- chord has a sharp sign (#) above it, and the D chord has a sharp sign (#) above it.

With Key Signatures

A Natural Minor Scale Harmonized to the Fifth

A musical staff in treble clef showing six chords for the A natural minor scale. Above the staff, the starting notes are A-, C, D-, E-, F, and G. Below the staff, the chords are represented by three-note triads. Roman numerals are placed below each chord: i, III, iv, v, VI, VII. Chord symbols are placed above each chord: A-, C, D-, E-, F, G.

E Natural Minor Scale Harmonized to the Fifth

A musical staff in treble clef with a key signature of one sharp (F#). Above the staff, the starting notes are E-, G, A-, B-, C, and D. Below the staff, the chords are represented by three-note triads. Roman numerals are placed below each chord: i, III, iv, v, VI, VII. Chord symbols are placed above each chord: E-, G, A-, B-, C, D.

More Triad Identification

1. Write a chord symbol to represent the triad.
2. Write a roman numeral to show how the triad relates to the key.

C Major

C D- A- E- G F C F
 I ii vi iii V IV I IV

A Minor

A- D- A- E- G F C A-
 i iv i v VII VI III i

G Major

G D A- E- B- A- C D
 I V ii vi iii ii IV V

E Minor

E- D A- G B- A- C G
 i VII iv III v iv VI III

Analysis 1: Answers

Key Identification 1

Key Signature Identification

No Accidentals = C / A-

One Sharp = G / E-



Chords

C A- F G

I vi IV V

Major

Minor

C G A- F

I V vi IV

Major

Minor

A- F C G

vi IV I V

Major

Minor

E- A- B- E-

i iv v i

Major

Minor

Melody

Is it Major or Minor?

Major: $\hat{6}$ $\hat{1}$ $\hat{3}$ $\hat{3}$ $\hat{2}$ $\hat{7}$ $\hat{6}$ $\hat{3}$ $\hat{6}$
 Minor: $\hat{1}$ $\flat\hat{3}$ $\hat{5}$ $\hat{5}$ $\hat{4}$ $\hat{2}$ $\hat{1}$ $\hat{5}$ $\hat{1}$

Minor Melody

Major Melody

Major: $\hat{1}$ $\hat{5}$ $\hat{3}$ $\hat{5}$ $\hat{6}$ $\hat{2}$ $\hat{1}$ $\hat{5}$ $\hat{1}$
 Minor: $\flat\hat{3}$ $\flat\hat{7}$ $\hat{5}$ $\flat\hat{7}$ $\hat{1}$ $\hat{4}$ $\flat\hat{3}$ $\flat\hat{7}$ $\flat\hat{3}$

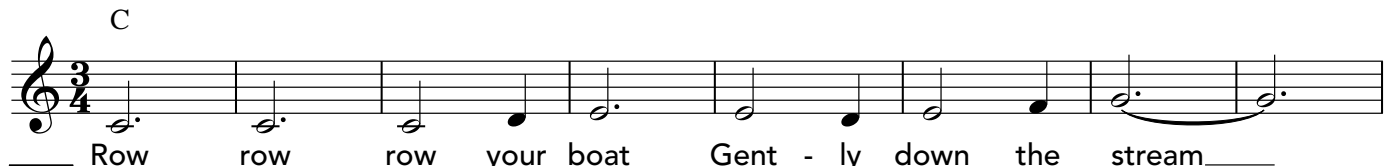
Minor Melody

Major Melody

Key Identification 2

Exercise 1

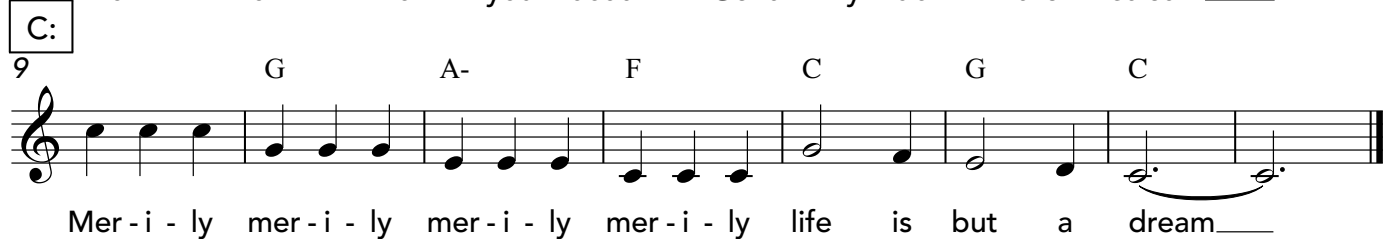
C



Row row row your boat Gent - ly down the stream___

C:

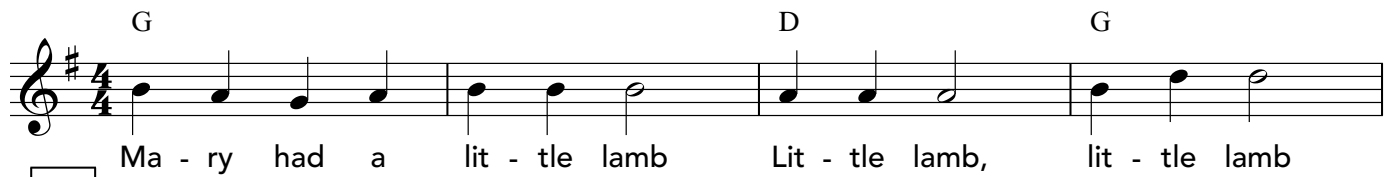
9 G A- F C G C



Mer - i - ly mer - i - ly mer - i - ly mer - i - ly life is but a dream___

Exercise 2

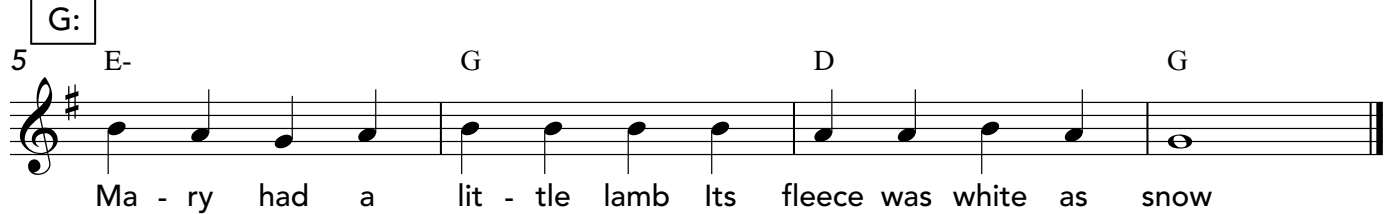
G D G



Ma - ry had a lit - tle lamb Lit - tle lamb, lit - tle lamb

G:

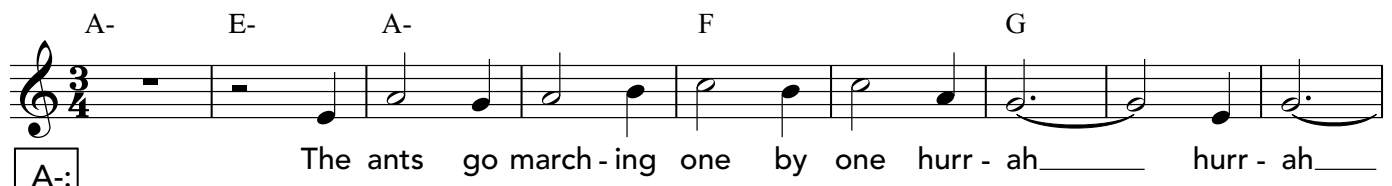
5 E- G D G



Ma - ry had a lit - tle lamb Its fleece was white as snow

Exercise 3

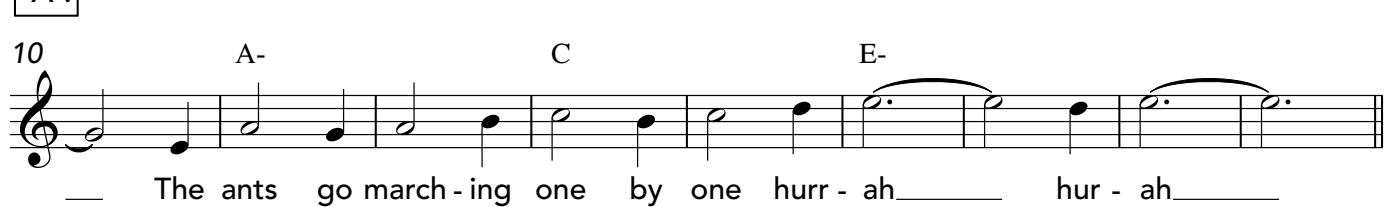
A- E- A- F G



The ants go march - ing one by one hurr - ah___ hurr - ah___

A-:

10 A- C E-



The ants go march - ing one by one hurr - ah___ hur - ah___

Exercise

E-

Han-u-kkah oh Han-u-kkah comelight the Men - o - rah Let's have a par-ty, we'll

E-:

7 A- E- B- E-

all dance the ho - rah Ga-ther 'round the ta - ble, we'll give you a treat

13 A- E- B- E-

Drey - dles to play with and lat - kes to eat. And while we are

19 C E-

dan - cing the can - dles are bur - ning_ low_____

Exercise 5

C F C D- C G C C F

Twin- kle, twin- kle, lit - tle star, How I won-der what you are. Up a - bove the

C:

6 G C F E- G C

world so high, Like a dia- mond in the sky. Twin - kle, twin - kle,

10 F C D- C G C

lit - tle star, How I won - der what you are.

Scale Degree Analysis

Exercise 1

C

Row row row your boat Gent - ly down the stream

SD C: $\hat{1}$ $\hat{1}$ $\hat{1}$ $\hat{2}$ $\hat{3}$ $\hat{3}$ $\hat{2}$ $\hat{3}$ $\hat{4}$ $\hat{5}$

9 G A- F C G C

Mer-i - ly mer-i - ly mer-i - ly mer-i - ly life is but a dream

$\hat{1}$ $\hat{1}$ $\hat{1}$ $\hat{5}$ $\hat{5}$ $\hat{5}$ $\hat{3}$ $\hat{3}$ $\hat{3}$ $\hat{1}$ $\hat{1}$ $\hat{1}$ $\hat{5}$ $\hat{4}$ $\hat{3}$ $\hat{2}$ $\hat{1}$

Exercise 2

G D G

Ma - ry had a lit - tle lamb Lit - tle lamb, lit - tle lamb

SD G: $\hat{3}$ $\hat{2}$ $\hat{1}$ $\hat{2}$ $\hat{3}$ $\hat{3}$ $\hat{3}$ $\hat{2}$ $\hat{2}$ $\hat{2}$ $\hat{3}$ $\hat{5}$ $\hat{5}$

5 E- G D G

Ma - ry had a lit - tle lamb Its fleece was white as snow

$\hat{3}$ $\hat{2}$ $\hat{1}$ $\hat{2}$ $\hat{3}$ $\hat{3}$ $\hat{3}$ $\hat{3}$ $\hat{2}$ $\hat{2}$ $\hat{3}$ $\hat{2}$ $\hat{1}$

Exercise 3

A- E- A- F G

The ants go march - ing one by one hurr - ah hurr - ah

SD A-: $\hat{5}$ $\hat{1}$ $\hat{b}7$ $\hat{1}$ $\hat{2}$ $\hat{b}3$ $\hat{2}$ $\hat{b}3$ $\hat{1}$ $\hat{b}7$ $\hat{5}$ $\hat{b}7$

10 A- C E-

The ants go march - ing one by one hurr - ah hur - ah

$\hat{5}$ $\hat{1}$ $\hat{b}7$ $\hat{1}$ $\hat{2}$ $\hat{b}3$ $\hat{2}$ $\hat{b}3$ $\hat{4}$ $\hat{5}$ $\hat{4}$ $\hat{5}$

Exercise 4

E-

Han-u-kkah oh Han-u-kkah comelight the Men - o - rah Let's have a par-ty, we'll

SD E: 5̂ 5̂ 5̂ 5̂ 1̂ 5̂ 5̂ 5̂ 5̂ 4̂ b3̂ 4̂ b3̂ 5̂ 5̂ 5̂ 1̂ 5̂ 5̂

7 A- E- B- E-

all dance the ho - rah Ga-ther 'round the ta - ble, we'll give you a treat

5̂ 4̂ b3̂ 4̂ b3̂ b3̂ 4̂ 5̂ 4̂ b3̂ b3̂ b3̂ 4̂ b3̂ 2̂ 1̂

13 A- E- B- E-

Drey - dles to play with and lat - kes to eat. And while we are

4̂ 5̂ b3̂ b3̂ b3̂ 4̂ b3̂ 2̂ 1̂ 1̂ 5̂ 5̂ 1̂

19 C E-

dan - cing the can - dles are bur - ning low

5̂ 5̂ 1̂ 5̂ 5̂ 5̂ b6̂ 5̂ 4̂ 5̂

Exercise 5

C F C D- C G C

Twin - kle, twin - kle, lit - tle star, How I won - der what you are.

SD C: 1̂ 1̂ 5̂ 5̂ 6̂ 6̂ 5̂ 4̂ 4̂ 3̂ 3̂ 2̂ 2̂ 1̂

5 F C G C F E- G

Up a - bove the world so high, Like a dia - mond in the sky.

5̂ 5̂ 4̂ 4̂ 3̂ 3̂ 2̂ 5̂ 5̂ 4̂ 4̂ 3̂ 3̂ 2̂

9 C F C D- C G C

Twin - kle, twin - kle, lit - tle star, How I won - der what you are.

1̂ 1̂ 5̂ 5̂ 6̂ 6̂ 5̂ 4̂ 4̂ 3̂ 3̂ 2̂ 2̂ 1̂

Roman Numeral Analysis

Exercise 1

C

Row row row your boat Gent - ly down the stream

SD C: $\hat{1}$ $\hat{1}$ $\hat{1}$ $\hat{2}$ $\hat{3}$ $\hat{3}$ $\hat{2}$ $\hat{3}$ $\hat{4}$ $\hat{5}$

C: I

9 G A- F C G C

Mer - i - ly mer - i - ly mer - i - ly mer - i - ly life is but a dream

$\hat{1}$ $\hat{1}$ $\hat{1}$ $\hat{5}$ $\hat{5}$ $\hat{5}$ $\hat{3}$ $\hat{3}$ $\hat{3}$ $\hat{1}$ $\hat{1}$ $\hat{1}$ $\hat{5}$ $\hat{4}$ $\hat{3}$ $\hat{2}$ $\hat{1}$

V vi IV I V I

Exercise 2

G D G

Ma - ry had a lit - tle lamb Lit - tle lamb, lit - tle lamb

SD G: $\hat{3}$ $\hat{2}$ $\hat{1}$ $\hat{2}$ $\hat{3}$ $\hat{3}$ $\hat{3}$ $\hat{2}$ $\hat{2}$ $\hat{2}$ $\hat{3}$ $\hat{5}$ $\hat{5}$

G: I V I

5 E- G D G

Ma - ry had a lit - tle lamb Its fleece was white as snow

$\hat{3}$ $\hat{2}$ $\hat{1}$ $\hat{2}$ $\hat{3}$ $\hat{3}$ $\hat{3}$ $\hat{3}$ $\hat{2}$ $\hat{2}$ $\hat{3}$ $\hat{2}$ $\hat{1}$

vi I V I

Exercise 3

A- E- A- F G

The ants go march - ing one by one hurr - ah hurr - ah

SD A-: $\hat{5} \hat{1} \flat\hat{7} \hat{1} \hat{2} \flat\hat{3} \hat{2} \flat\hat{3} \hat{1} \flat\hat{7} \hat{5} \flat\hat{7}$

A-: i v i VI VII

10 A- C E-

The ants go march - ing one by one hurr - ah hur - ah

$\hat{5} \hat{1} \flat\hat{7} \hat{1} \hat{2} \flat\hat{3} \hat{2} \flat\hat{3} \hat{4} \hat{5} \hat{4} \hat{5}$

i III v

Exercise 4

E-

Han-u-kkah oh Han-u-kkah comelight the Men - o - rah Let's have a par - ty, we'll

SD E-: $\hat{5} \hat{5} \hat{5} \hat{5} \hat{1} \hat{5} \hat{5} \hat{5} \hat{5} \hat{4} \flat\hat{3} \hat{4} \flat\hat{3} \hat{5} \hat{5} \hat{5} \hat{1} \hat{5} \hat{5}$

E-: i

7 A- E- B- E-

all dance the ho - rah Ga - ther 'round the ta - ble, we'll give you a treat

$\hat{5} \hat{4} \flat\hat{3} \hat{4} \flat\hat{3} \flat\hat{3} \hat{4} \hat{5} \hat{4} \flat\hat{3} \flat\hat{3} \flat\hat{3} \hat{4} \flat\hat{3} \hat{2} \hat{1}$

iv i v i

13 A- E- B- E-

Drey - dles to play with and lat - kes to eat. And while we are

$\hat{4} \hat{5} \flat\hat{3} \flat\hat{3} \flat\hat{3} \hat{4} \flat\hat{3} \hat{2} \hat{1} \hat{1} \hat{5} \hat{5} \hat{1}$

iv i v i

19 C E-

dan - cing the can - dles are bur - ning low

$\hat{5} \hat{5} \hat{1} \hat{5} \hat{5} \hat{5} \flat\hat{6} \hat{5} \hat{4} \hat{5}$

VI i

Exercise 5

C F C D- C G C

Twin - kle, twin - kle, lit - tle star, How I won - der what you are.

SD C: $\hat{1}$ $\hat{1}$ $\hat{5}$ $\hat{5}$ $\hat{6}$ $\hat{6}$ $\hat{5}$ $\hat{4}$ $\hat{4}$ $\hat{3}$ $\hat{3}$ $\hat{2}$ $\hat{2}$ $\hat{1}$
 C: I IV I ii I V I

5 F C G C F E- G

Up a - bove the world so high, Like a dia - mond in the sky.

$\hat{5}$ $\hat{5}$ $\hat{4}$ $\hat{4}$ $\hat{3}$ $\hat{3}$ $\hat{2}$ $\hat{5}$ $\hat{5}$ $\hat{4}$ $\hat{4}$ $\hat{3}$ $\hat{3}$ $\hat{2}$
 IV I V I IV iii V

9 C F C D- C G C

Twin - kle, twin - kle, lit - tle star, How I won - der what you are.

$\hat{1}$ $\hat{1}$ $\hat{5}$ $\hat{5}$ $\hat{6}$ $\hat{6}$ $\hat{5}$ $\hat{4}$ $\hat{4}$ $\hat{3}$ $\hat{3}$ $\hat{2}$ $\hat{2}$ $\hat{1}$
 I IV I ii I V I

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