Theory Reference Center

Alto Clef (6)



Also called the C clef. A symbol placed at the beginning of the staff used to identify the names of the lines and spaces. Viola uses alto clef.

Bar Line (2)

A vertical line dividing the staff into measures.

Bass Clef (6)



Also called the F Clef. A symbol placed at the beginning of the staff used to identify the names of the lines and spaces. Cello and bass use bass clef.

Beat (2)

A steady, regular pulse in music.

Binary Form (14)

Music that has two different sections.

Common Time (12)



The same as 4 time.

Conducting Patterns (2, 12)



Using a pattern to beat time with a hand or baton.

Dotted Half Note (13)



Receives 3 beats of sound.

Double Bar Line (2)

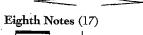


A thin and thick line marking the end of the music.

Dynamics (27)

The level of sound or volume of music. Dynamic markings in this book are:

fff, ff, f, mf, mp, p, pp, ppp



Agroup of two eighth notes equals one quarter note.

Half note (2)



Receives 2 beats of sound.

Half Rest (4)

Receives 2 beats of silence.

Half Step (11)



The smallest distance between 2 notes. The distance from F# to G is a half step.

Key Signature (10, 15, 20)



Placed at the beginning of music, it tells us which notes should be played with sharps.

Ledger Lines (7)



Short lines used for notes written above and

Legato (36)

Play smoothly and connected.

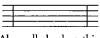
Major Scale (10, 11)

A series of notes with this pattern of whole steps and half steps:

wwhwwwh

A major scale begins and ends with the note of the same letter name.

Measure (2)



Also called a bar, this is the space between two bar lines. A measure is filled with a specific number of beats/counts as determined by the time signature.

Quarter Note (2)



Receives 1 beat of sound.

Ouarter Rest (4)

Receives 1 beat of silence.

Repeat Sign (13)



Go back and play again.

Sharp (7)

Raises a note a half step.

Skip (9)

When the distance from one note to the next is greater than a step. One open string to the next open string is a skip.

Staccato (34)



Play with short, crisp bow strokes. Stop the bow between each note.

Staff (3)

5 lines and 4 spaces on which musical notes are

Step (9)

The distance from a letter name to the next letter in the alphabet. A to B is a step.

Tempo (27)

The speed of music. Tempo markings in this book are Adagio, Andante, Moderato, Allegro, Presto, accelerando, ritardando.

Ternary Form (14)

ABA

Music that has three sections. The A section is followed by the B section, then the A section is played again.

Theme and Variations (35)

The main melody of a piece is followed by different versions of the melody. Versions are created by small changes in the rhythm or notes.

Tie (13)

A curved line connecting 2 of the same pitches. Tied notes are played as 1 note.

Time Signature (2, 12)

Placed at the beginning of music, it indicates the number of beats per measure and the type of note receiving one beat.

Treble Clef (6)



Also called the G Clef. A symbol placed at the beginning of the staff used to identify the names of the lines and spaces. Violin uses treble clef.

Whole Note (2)

Receives 4 beats of sound.

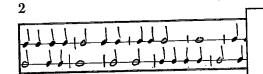
Whole Rest (4)

Receives 4 beats of silence.

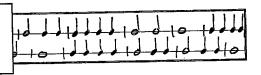
Whole Step (11)



Two half steps equal one whole step. D to E is a whole step.



4 and Note Values



Music contains notes of different lengths. Each type of note looks different from the others. Whole notes are the longest held notes, followed by half notes, then quarter notes. These different notes fit into measures which are determined by a time signature.

Time Signature

4-Beat Conducting Pattern

4 = 4 beats per measure
4 = quarter note receives
1 beat



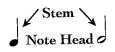
Measure = the space between two bar lines where music is written. Music in a measure contains a certain number of beats that is determined by the time signature.

Bar Line = a vertical line separating measures.

Note Values

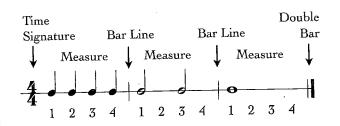
Half Note

Quarter Note = = 1 beat



Whole Note = 0 = 4 beats

Whole notes do not have stems.



= 2 beats

Double Bar = written at the end of a piece of music.

Practice!

1. Draw 9 whole notes below, on, and above the staff lines.

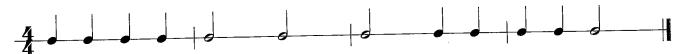


2. Draw 6 half notes below, on, and above the staff lines.

Draw 6 quarter notes below, on, and above the staff lines.



3. Write in the counting under the notes. Practice counting the line aloud.

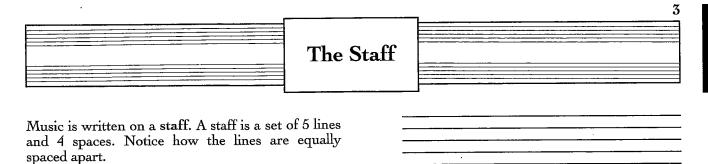


4. Write in the counting under the notes. Practice counting the line aloud.

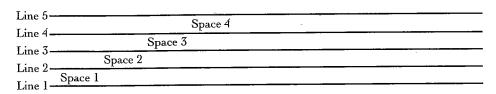


5. Write in the counting and draw the bar lines. Be sure each measure contains the correct number of beats.



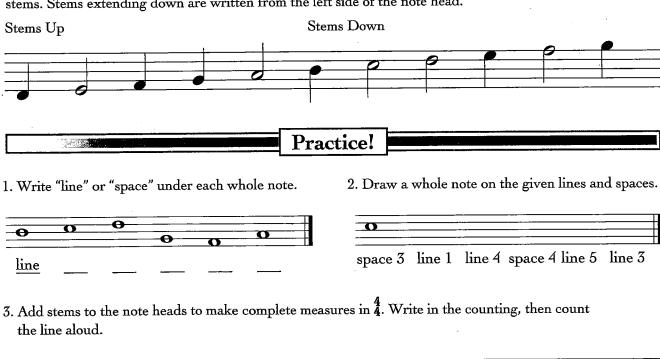


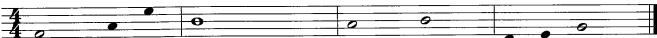
The lines and spaces are counted from bottom to top. The lower a note is on the staff, the lower it sounds.



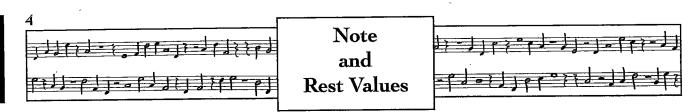
Notes on the Staff

All notes, except whole notes, have stems. Stems will go up or down, depending on where the note head is located on the staff. See below for the direction of the stems. Notice that notes from line 3 on up have down stems. Stems extending down are written from the left side of the note head.





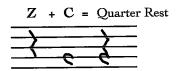
4. Draw any 4 quarter notes, 4 half notes, and 4 whole notes. Check your stems.



Not only are notes played to create music, but moments of silence are also included from time to time. In music notation, each moment of silence is called a rest. For each note value in music, there is an equal rest value.



Writing rests takes practice, especially quarter rests! Writing a quarter rest is like combining the letter Z with the letter C. See the two-part example below.

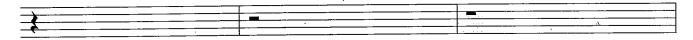


Whole rests hang down from the 4th line and half rests sit up on the 3rd line. On first glance they look similar, so it is important to count the lines before starting to write whole and half rests.



Practice!

1. Draw four of each rest after the examples. Be able to describe how to draw each rest and what it represents.



2. Identify the rests. Write your answers on the lines below.



3. Write in the counting under the notes and rests. Then copy the measures on the blank staff below.



4. Describe where the whole rest is placed on the staff.

Practice!

1. Write in the counting under the notes. Practice counting the line aloud, then play the rhythm on the open strings.



2. Write in the counting under the notes and rests.



3. Rewrite the line by replacing each rest with the note of equal value. To help you get started, the first note has been done for you. Be able to describe how to draw each note and what it represents.



4. Write in one note or one rest to complete each measure.

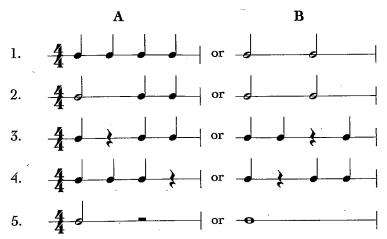


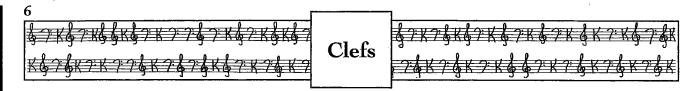
Ear Training A



Audio files can be found at www.kjos.com in the Kjos Multimedia Library. Click Theory and look for the cover of this book to find the location of these audio tracks.

Go to Ear Training A and listen to exercises 1 through 5. In each, you will hear either Rhythm A or Rhythm B performed. Circle the rhythm you hear.





Every music staff begins with a clef. Clefs identify pitches (sounds of the notes) on the staff. Bassists use the bass clef (or the "F" clef). This book features the bass clef, however the other string instruments use different clefs. Violin players use the treble clef (or "G" clef). Viola players use the alto clef (or "C" clef). Cello players also use the bass clef.



Each line and space on the staff has a letter name that comes from the first seven letters of the alphabet:

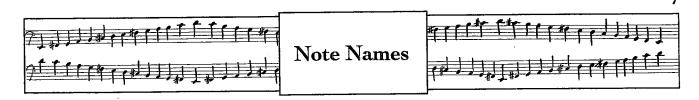
The placement of letters on the staff is related to the clef. The bass clef is also called the "F" clef. Here's why. The clef wraps around the line named "F" (the 4th line on the staff) and the clef has two dots placed on either side of the 4th line F. After learning to draw the bass clef, go to the next page to learn about note names and how much they match up with notes on your bass.



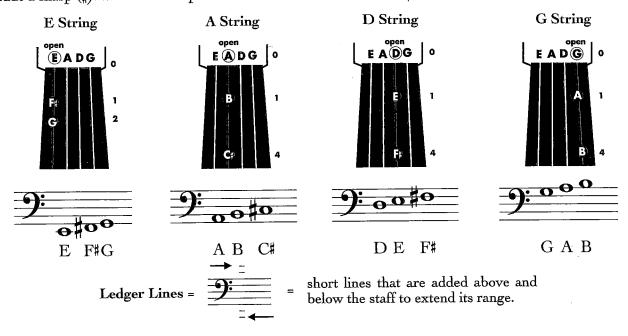
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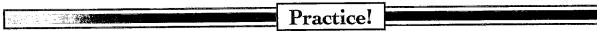
Practice!

Step 3: Add two dots. The first heart should be drawn above be drawn below the 4th line. Step 4: The second dot should be drawn below the 4th line.
<u> </u>
,



Here are the note names on the music staff as they relate to the notes and strings on your bass. Some notes include a sharp (#). This shows a special treatment of the note. You will learn more about sharps soon.





1. Draw whole notes on the staff in each measure as indicated. Write the letter names under the notes.

Open String Notes D String Notes A String Notes

2. Write the letter names under the notes. Draw a square around each open string note. Work with a partner to say the finger number used to play each note on your instrument.





When looking at notes on the staff, the lower a note is on the staff, the lower it sounds. The higher a note is on the staff, the higher it sounds.

Practice!

1. Write the letter names under the notes. Draw a square around the lowest sounding E. Draw a circle around the highest sounding A.



2. Draw a whole note on the staff that is named by each letter. Draw a square around each open string note.



- 3. Draw a quarter note for each note on the G string, including the open string note.
- 4. Draw a half note for each note on the E string, including the open string note.



5. What does each pair of notes have in common?



Ear Training B



Go to Ear Training B and listen to exercises 6-8. In each, you will hear two notes. Is the 2nd note lower or higher than the 1st note? Circle the response that matches what you hear.

6. Lower Higher

7. Lower

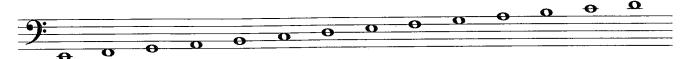
Higher

8. Lower

Higher

Music is created by moving from one note to the next with steps and skips. Some notes are repeated over and over, too. It is the combination of steps, skips, and repeated notes, along with different note values, that create a melody.

Step = the interval or distance from letter name to the next letter in the alphabet. For example, the distance from A to B is a step.



Skip = the interval or distance from one note to the next that is greater than a step. For example, the distance from one open string to the next open string is a skip.

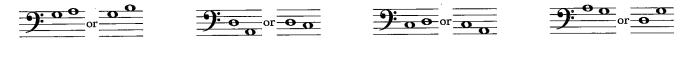
Open Strings

Some skips are small and some are quite wide.



Practice!

1. Name the notes on the lines below the staff. Then, circle each pair of notes that represents a step.

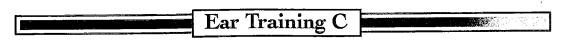


2. In each measure, add 3 more half notes that go up step by step. Write the letter name under each note. Draw a square around each open string note.



3. In each measure, add 3 more quarter notes that go down by skips. Write the letter name under each note.







Go to Ear Training C and listen to exercises 9-11. In each, you will hear two notes. Is the 2nd note a step or a skip from the 1st note? Circle the word that matches what you hear.

9. Step Skip

10. Step Skip

11. Step Skip



D Major



The second of th

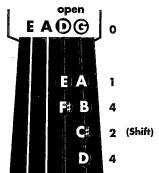
Key Signature
D Major =

sharps at the beginning of the staff showing what notes are sharp. In D Major, play all Fs as F-sharp and all Cs as C-sharp.

Here is the D Major Scale. A scale is a series of notes placed in stepwise ascending or descending order. A scale begins and ends with the note of the same letter name.

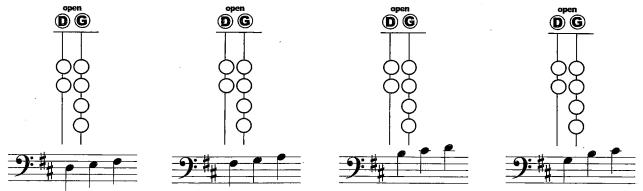


The first note of this D Major Scale begins on your open D string. A shift with the left hand is required to play C# and D (on the G string). The fingerboard diagram shows the notes of the D Major Scale.



Practice!

1. Write in the letter names under the notes. Then, color in the corresponding place of each note on the fingerboard. Silently practice the fingerings to check your work.



2. Draw a square around the notes that can be found on the D string.



3. Draw a square around the notes that can be found on the G string.

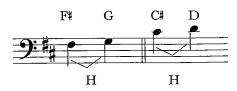




Half Steps & Whole Steps in D Major



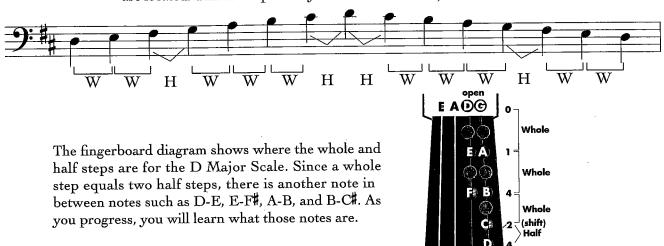
Half Step (H) = the smallest distance between two notes. F# to G and C# to D are examples of a half step.



Whole Step (W) = two half steps equal a whole step. D to E and E to F# are examples of a whole step.



Here is the D Major Scale It shows where the whole and half steps are located. This is the pattern you will find in all major scales.



Practice!

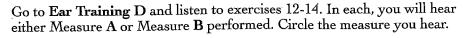
1. Mark the half steps in the music below. Use the carrot and H symbols.



2. Mark the whole steps in the music below. Use the bracket and W symbols. W



Ear Training D





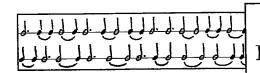




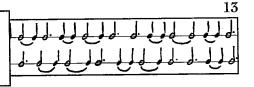


L65SB

Up until now, 4 has been the only time signature you have been working = 4 beats per measure with. $\frac{7}{4}$ is also called Common Time and it has its own symbol: \mathbf{C} Here are two new time signatures frequently found in all types of music, receives 1 beat along with each conducting pattern and some examples of counting: = 2 beats per measure quarter note receives 1 beat = 3 beats per measure quarter note receives 1 beat Practice! 1. Check the time signature and write in the counting. Then, shadow bow each line using a thumb to tip bow stroke for every note. 2. Complete each measure with the correct number of \downarrow or $\stackrel{\checkmark}{\leftarrow}$ and write in the counting. Ear Training E Go to Ear Training E and listen to exercises 15 and 16. Write what you hear using J and \(\bigset. \) Be sure to check the time signature as you listen. Silently count the rhythm you wrote to check your work. 15. 16.



Ties and Dotted Half Notes



Tie = a curved line connecting 2 of the same pitches. Tied notes are played as 1 note.



Dotted Half Note = $\sqrt{+.=}$

$$2 + 1 = 3$$

3



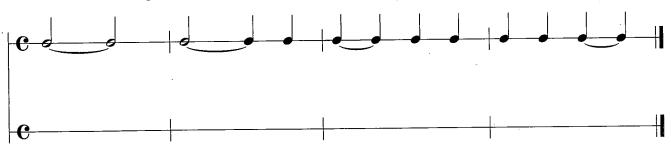


Practice!

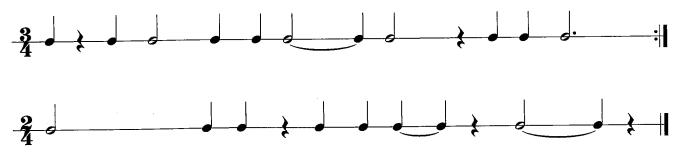
1. Check the time signature and write in the counting. Then, shadow bow each line using a thumb to tip bow stroke for every note.



2. Write in the counting. Rewrite the line by replacing each tied note with just one note.



3. Write in the counting and draw the bar lines. Be sure to check the time signature.

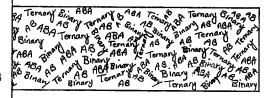


4. Will you end on a down bow or up bow? _____ Write in the bow marks above the notes to show how you reached your answer. Write the letter names below the notes.





Binary and Ternary Forms



是是我们是我们是一个人,我们是一个人,我们是一个人,我们们是一个人,我们们也是一个人,我们们是一个人,我们们是一个人,我们们是一个人,我们们是一个人,我们们们们

Binary Form = AB = music that has two different sections.

Ternary Form = ABA = music that has three sections. The A section is followed by the B section, and then the A section is played again.

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Unast	
Pract	B C . K-2 T

Assignment 1: Rhythmic Composition

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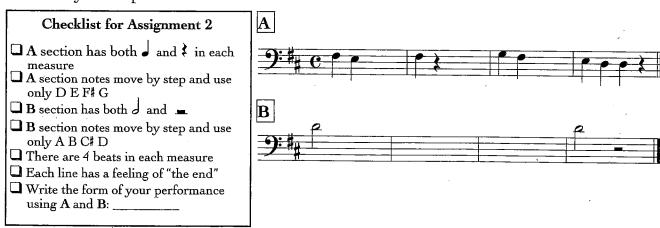
- 1. Use the Checklist for Assignment 1 to create a composition with A and B sections.
- 2. When you perform your composition, use your 2 highest open strings on the A section, and your 2 lowest strings on the B section.

Checklist for Assignment 1 A section has both and in each	A			 <u> </u>	
B section has both and There are 4 beats in each measure	B	1 - 4		1	
☐ Each line has a feeling of "the end" ☐ Write the form of your performance using A and B:		 	 <u> </u>		

- 3. Others will listen as you perform your composition and try to identify the form. Describe 2 ways listeners will be able to tell the difference between your A and B sections.

Assignment 2: Melodic Composition

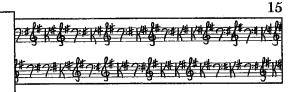
- 1. Use the Checklist for Assignment 2 to create a composition with A and B sections.
- 2. Play your composition and change any notes or rests you don't like.
- 3. Perform your composition.



- 4. Others will listen as you perform your composition and try to identify the form. Describe 2 ways listeners will be able to tell the difference between your A and B sections.
- •



G Major

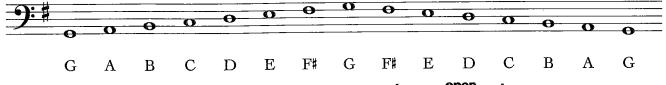


Key Signature G Major

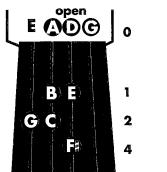


= 1 sharp. Play all Fs as F-sharp.

Here is the G Major Scale. It is built identically to the D Major Scale, except that it begins and ends on the note G.

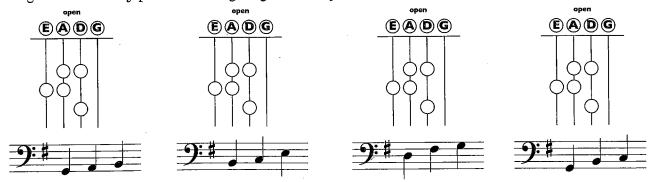


The first note of this G Major Scale begins with your 2nd finger on the E string and goes up to your open G string. The fingerboard diagram shows the notes of the G Major Scale.



Practice!

1. Write the letter names under the notes. Then, color in the corresponding place of each note on the fingerboard. Silently practice the fingerings to check your work.

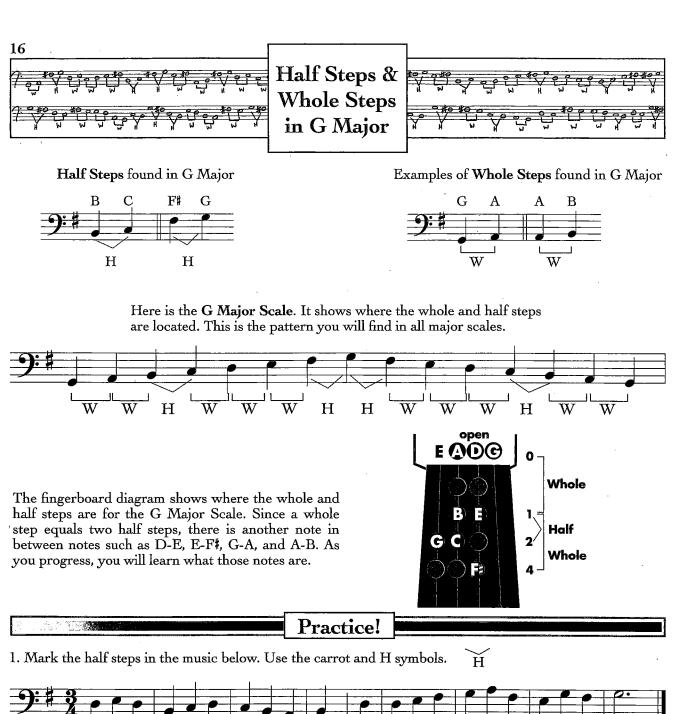


2. Draw a square around the notes that can be found on the A string.



3. Draw a square around the notes that can be found on the D string.







2. Mark the whole steps in the music below. Use the bracket and W symbols.



Ear Training F

Go to Ear Training F and listen to exercises 17-19. In each, you will hear either Measure A or Measure B. Circle the measure you hear performed.



17.





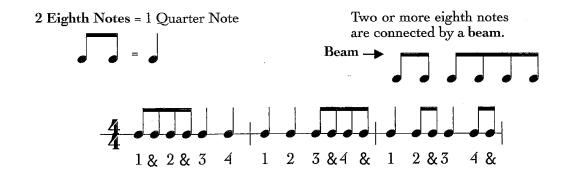
L65SB



Eighth Notes

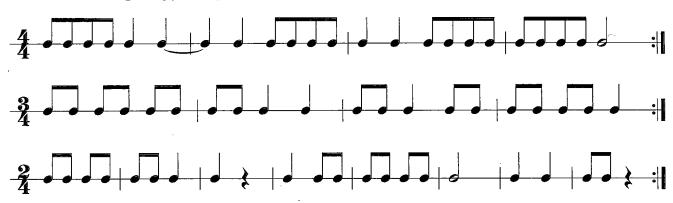


Eighth notes can be counted by dividing a single beat into two halves. When writing in the counts, use "&" as shown below. When counting aloud, the symbol "&" is spoken "and."

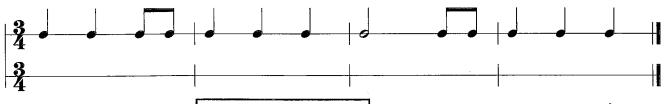


Practice!

1. Write in the counting and practice counting each line aloud. Create a rhythm accompaniment by clapping on beat one and patting your legs on the other beats.

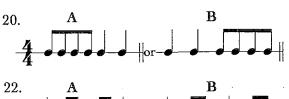


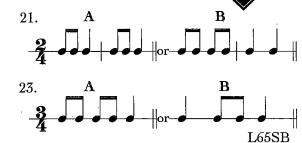
2. Write in the counting. Rewrite the line by substituting eighth notes for one J or J in each measure.



Ear Training G

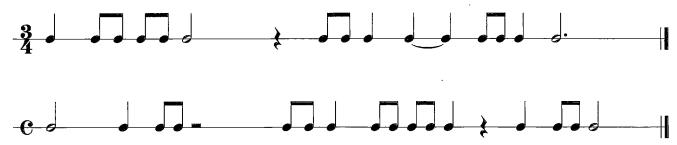
Go to Ear Training G and listen to exercises 20-23. In each you will hear either Rhythm A or Rhythm B. Circle what you hear performed.





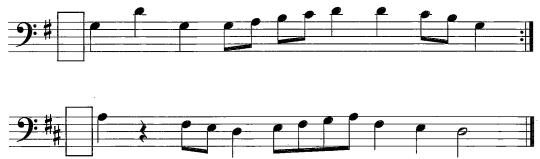
Practice!

1. Write in the counting and draw the bar lines. Be sure to check the time signature.

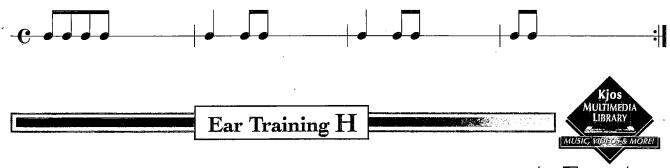


2. With a partner, describe each of the time signatures you know. Then alone, figure out the time signature of each example and write it in the box at the beginning of the line. Write in the counting and draw the bar lines.

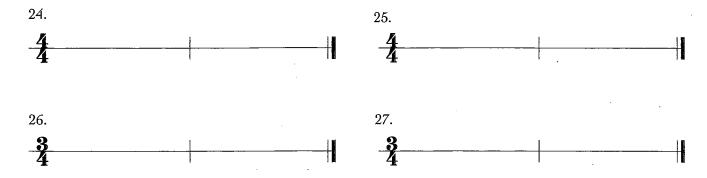
東日本は最初というというできるがあればない。 19 日本のでは、日



3. Complete each measure with , , or . Make sure there is a feeling of "the end" in the last measure. Circle the repeat sign. Perform your rhythm line.



Go to Ear Training H and listen to exercises 24-27. Write the rhythm you hear using J, and J. Be sure to check the time signature as you listen. Silently count the rhythm you wrote to check your work.



1. Write the letter name under each note. Draw a square around each open string note. Work with a partner to say the finger number used to play each note on your instrument.





2. Write the letter name under each note. Draw a square around each open string note.

Key of _____



Key of _____

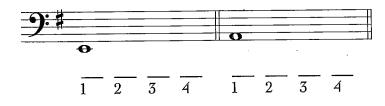


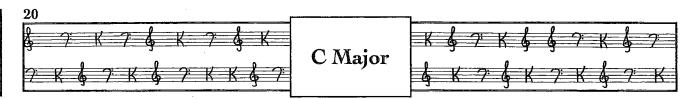


- 1. Write the letter name of the note that is above the "1" in each measure.
- 2. Draw a note that is a skip up from note 1, and name it.
- 3. Draw a note that is a step down from note 2, and name it.
- 4. Draw a note that is a step down from note 3, and name it.

BONUS! What do all the number 1 notes have in common?

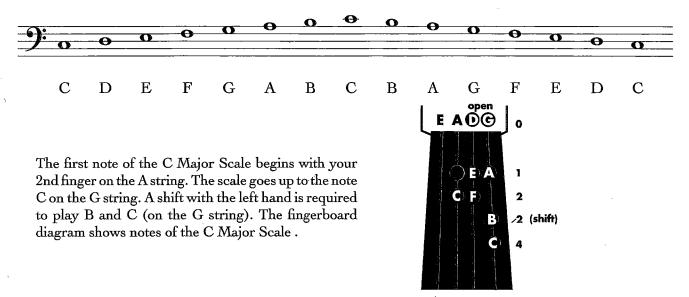
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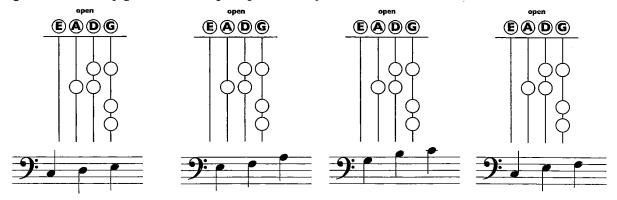
Key Signature C Major = no sharps in the key signature. All notes in C Major are natural meaning that they do not have any sharps.

Here is the C Major Scale. It is built identically to the D and G Major Scales, except that it begins and ends on C.



Practice!

1. Write the letter names under the notes. Then, color in the corresponding place of each note on the fingerboard. Silently practice the fingerings to check your work.

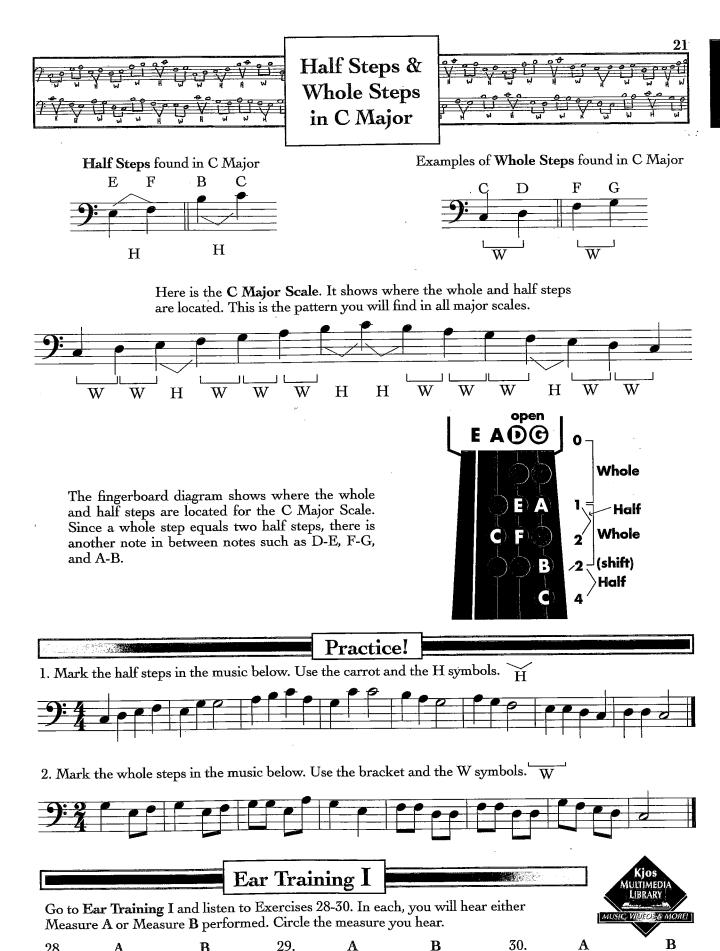


2. Draw a square around the notes that can be found on the D string.



3. Draw a square around the notes that can be found on the G string.





28.