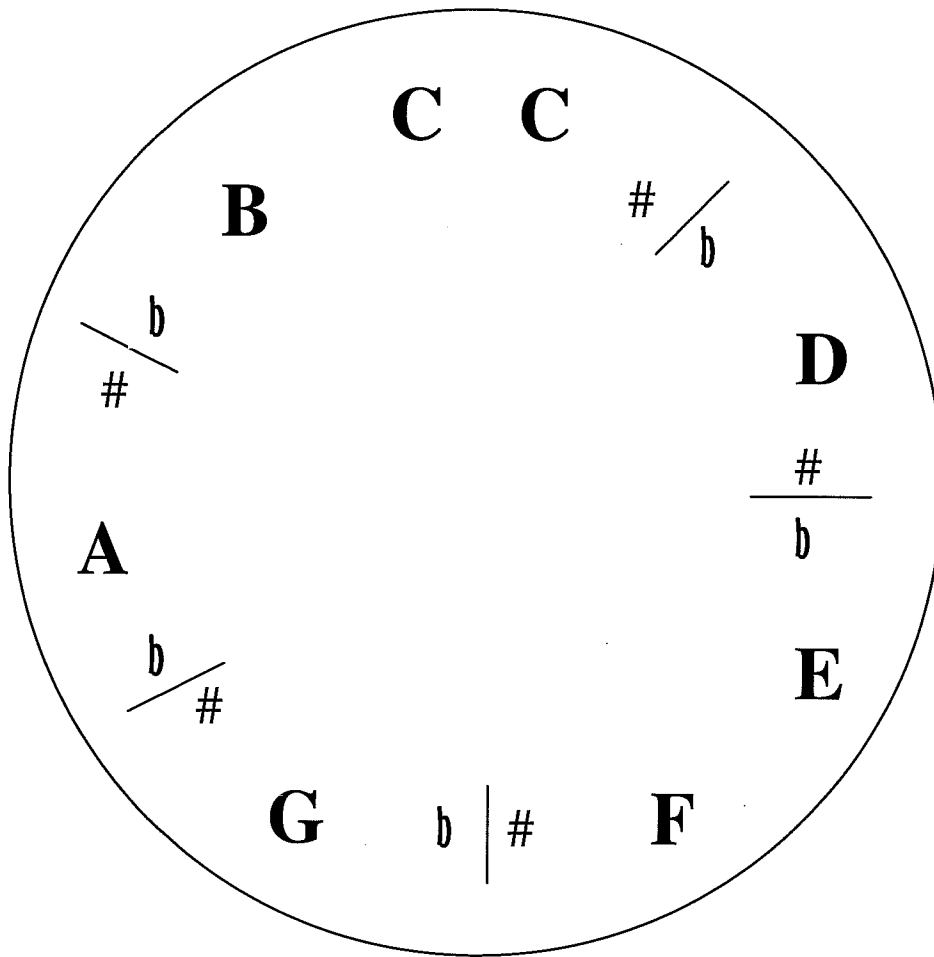


## Pitchpipe & Scales



From one note to the adjacent on a pitch pipe is one half step.  
Two half steps make a whole step.

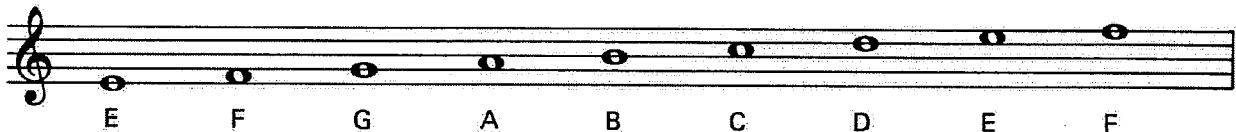
The chromatic scale is composed of 13 notes, each one half step from the next, with the first and last being an octave (with the same name)

A major scale is composed of 2 whole steps, one half step, 3 whole steps, one half step.

The Clefs help us by giving the position of one note. The Treble or G Clef gives us the position for the note G on the second line. The Clef draws a ring around the second line to show us.



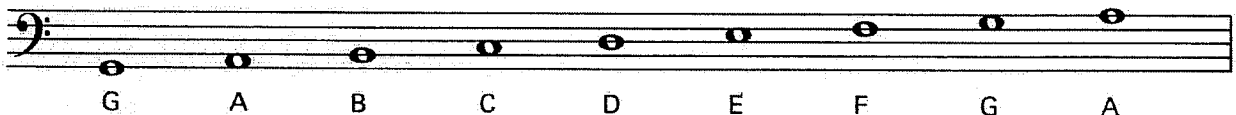
The other notes, higher and lower than G, run in order up and down the Staff. G is on the line, A is in the space above, B is on the next line, and so on.



The Bass or F Clef also gives the position of one note — this time F on the fourth line. The big 'dot' of the Clef marks the note.

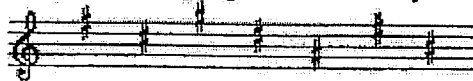


The other notes, higher and lower than F, run in order up and down the Staff. F on the line, G in the space above, and so on.



The key of C major has no sharps or flats.

Sharps in the key signature are always written on the staff in the following order:



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

(Fat Cats Go Down Alleys Eating Birds)

Counting up one half step from the last sharp can identify key signatures for major "sharp" keys.

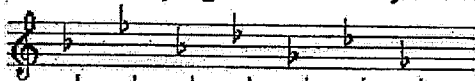
MAJOR KEYS

G D A E B F# C#

MINOR KEYS

e minor b minor f# minor g# minor d# minor a# minor

Flats in the key signature are always written on the staff in the following order:



Bb Eb Ab Db Gb Cb Fb

Key signatures for major "flat" keys are easy to remember because the next to the last flat names the major key. The only exception is the key of F major, with one flat.

MAJOR KEYS

F Bb Eb Ab Db Gb Cb

MINOR KEYS

d minor g minor c minor f minor b minor e minor a minor

----- **List of Intervals** -----

**Unison:** MY COUN-try 'tis of thee/GOOD-BYE my coney island baby

**ASCENDING INTERVALS -**

**m2:** YOU MUST remember this ("As Time Goes By")/I LEFT my heart in San Francisco/  
Theme from the movie "JAWS"

**M2:** DOE, A deer/hap-PY BIRTH-day to you/OH THE sun shines bright on my old  
Kentucky home/ PEO-PLÉ who need people...

**m3:** A-LAS my love you do me wrong ("Greensleeves")/WHY DO birds ("Close to You")/  
TO DREAM the impossible dream...

**M3:** "Blue Danube Waltz", CAM-E-lot/FROM THE halls of Montezuma/HAVE YOUR-  
self a very merry Christmas...

**P4:** HERE COMES the bride/ THE EYES of Texas/ DAY's DONE ("Taps")/ A-MAZ-ing  
Grace...

**Tritone:** MAR-I-a/ BOY BOY crazy boy ("West Side Story")...

**P5:** Theme from '2001' / Bass-Bari standard tuneup/ HEY THERE Georgie Girl/ YO-  
EE-oh ("Wizard of Oz")

**m6:** FOR PA-pa make him a scholar ("Matchmaker" from "Fiddler On The Roof")

**M6:** MY WILD irish rose/N-B-c (chimes)/DASH-ING through the snow/ MY BON-nie  
lies over the ocean...

**m7:** THERE'S A place for us ("West Side Story"/ Theme from 'Star Trek')

**M7:** BAL (li) HIGH ("South Pacific")

**Octave:** BAL-LI high/ WHEN YOU wish upon a star/ SOME-WHERE over the  
rainbow...

**DESCENDING INTERVALS**

**m2:** DOE-TEA la so (descending scale)/ MEOW-MEOW (commercial for cat food/SHALL  
WE dance? ("King & I")/ BEAU-TI-ful Dreamer

**M2:** SWEET AD-eline/WHIS-TLE while you work/ MA-RY had a little lamb/ THREE  
BLIND mice...

**m3:** OH, OH say can you see/ I, I wish I was in the land of cotton/ LOOK AT me  
("Misty")...

**M3:** SWING LOW, sweet chariot/ GOOD NIGHT ladies/ SUM-MER-time and the living  
is easy...

**P4:** BORN FREE/ HUT TWO, three, four/ MY GIRL, talking 'bout my girl/ SHAVE AND  
a haircut/ I'VE BEEN working on the railroad...

**Tritone:** European police siren/ DEAR KIND-ly Sargeant Krupke (West Side Story)

**P5:** FEEL-INGS/ THIS LAND is mine ("Exodus")...

**m6:** WHERE DO I begin...("Love Story")

**M6:** NO-BO-dy knows the trouble I've seen/ OV-ER there/ SCHOOL DAYS, school  
days...

**m7:** Opening notes of "An American in Paris"/DOE, A deer (lead note then bass picks  
up melody an octave lower)

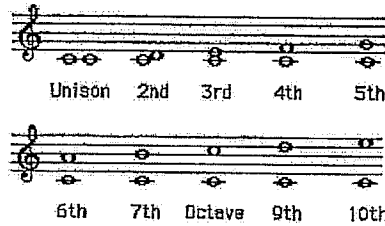
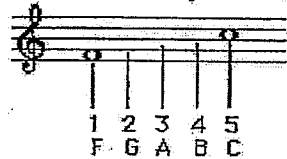
**M7:** <see ascending minor 2nd tunes; first note by lead, 2nd note by bass one octave  
lower>

**Octave:** WIL-LOW weep for me/ YOU ARE my lucky star/ standard lead-bass tune-up

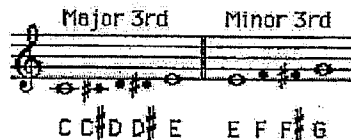
## Naming Intervals-

Intervals have two parts to their names, size and quality.

**Size** = how many letter names the interval encompasses



**Quality** = is determined by the number of half steps contained in the interval.



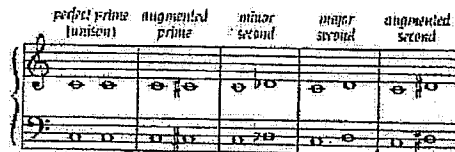
- Ascending major and perfect intervals may be calculated by considering the lower note of the interval as the tonic of a major scale.
- Minor intervals are on half step smaller than major intervals.
- Diminished intervals are one half step smaller than minor or perfect intervals.
- Augmented intervals are one half step larger than major or perfect intervals.

### Interval Reference Tables

Table of Interval Sizes:

Half-Steps	Most Common Names
0	Perfect Unison (PU)
1	Minor Second (m2)
2	Major Second (M2)
3	Minor Third (m3)
4	Major Third (M3)
5	Perfect Fourth (P4)
6	Diminished Fifth (D5) Augmented Fourth (A4)
7	Perfect Fifth (P5)
8	Minor Sixth (m6) Augmented Fifth (A5)
9	Major Sixth (M6)
10	Minor Seventh (m7) Augmented Sixth (A6)
11	Major Seventh (M7)
12	Perfect Octave (P8)
13	Minor Ninth (m9)
14	Major Ninth (M9)
15	Minor Tenth (m10)
16	Major Tenth (M10)

### INTERVALS



# Basic Sight Singing

IES 2008 - Handout

Musical notation for the first system, measures 1-5. The music is in 4/4 time and the key signature has three flats (B-flat, E-flat, A-flat). The melody consists of quarter and eighth notes, with a final measure containing a whole note chord.

Musical notation for the second system, measures 6-10. The melody continues with quarter and eighth notes, including a measure with a whole rest. The bass line provides a steady accompaniment.

Musical notation for the third system, measures 11-13. The melody features eighth-note patterns and quarter notes. The bass line continues with a consistent accompaniment.

Musical notation for the fourth system, measures 14-16. The melody includes quarter notes and rests. The bass line continues with a consistent accompaniment.