

Beats and Tone

From the Early Non Fiction Series



C, F, E, D, A, D, C, F
1 and 2 and

free kids
Books

Danielle Bruckert

Early Nonfiction
Beat and Tone

Early Nonfiction Series
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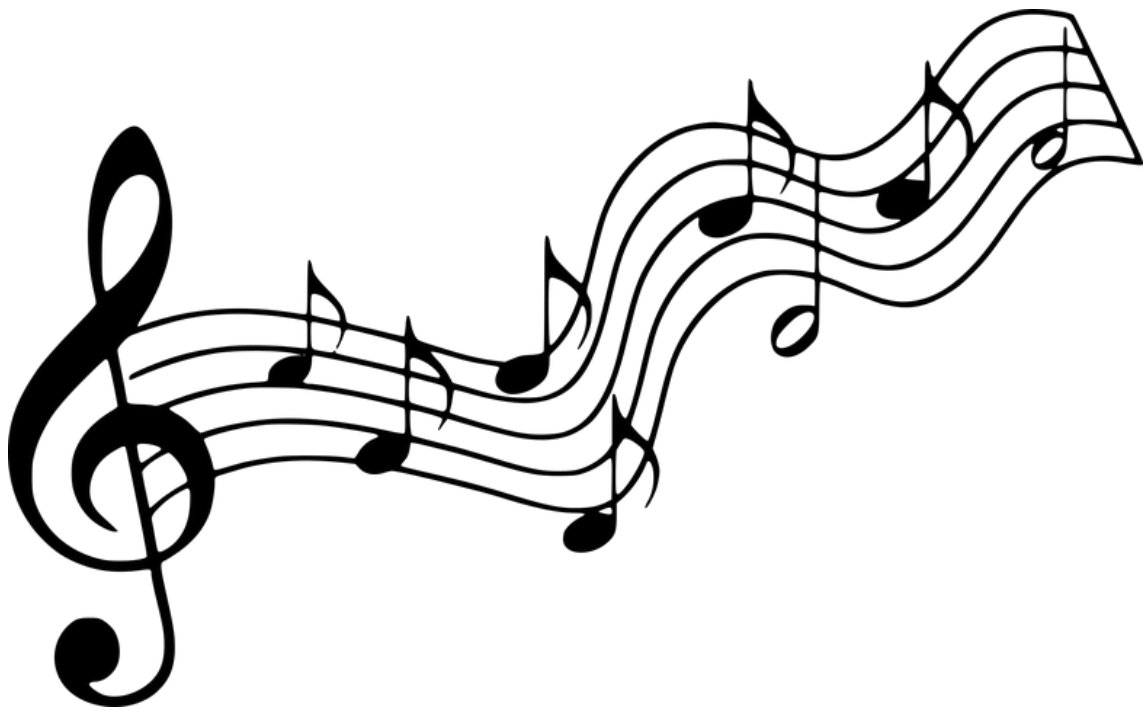
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The logo for Free Kids Books, featuring the words "free kids" in a lowercase, rounded font and "Books" in a larger, bold, uppercase font, both in white text on a dark purple rectangular background.

**free kids
Books**



**Music is all
about beat and
tone.**



1 and 2 and...

**Beats are as
simple as
counting.**



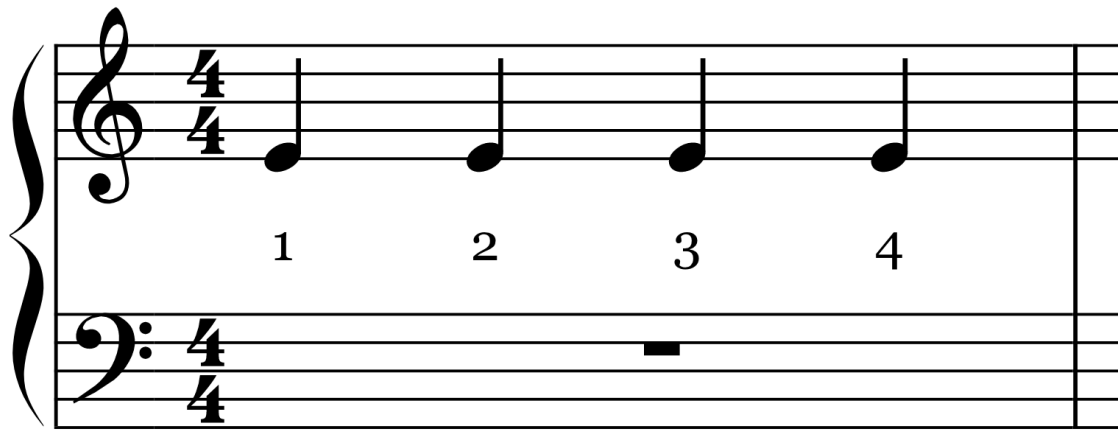
C, F, E, D, A, D, C, F
1 and 2 and

**Tone can be
learned like
ABCs.**

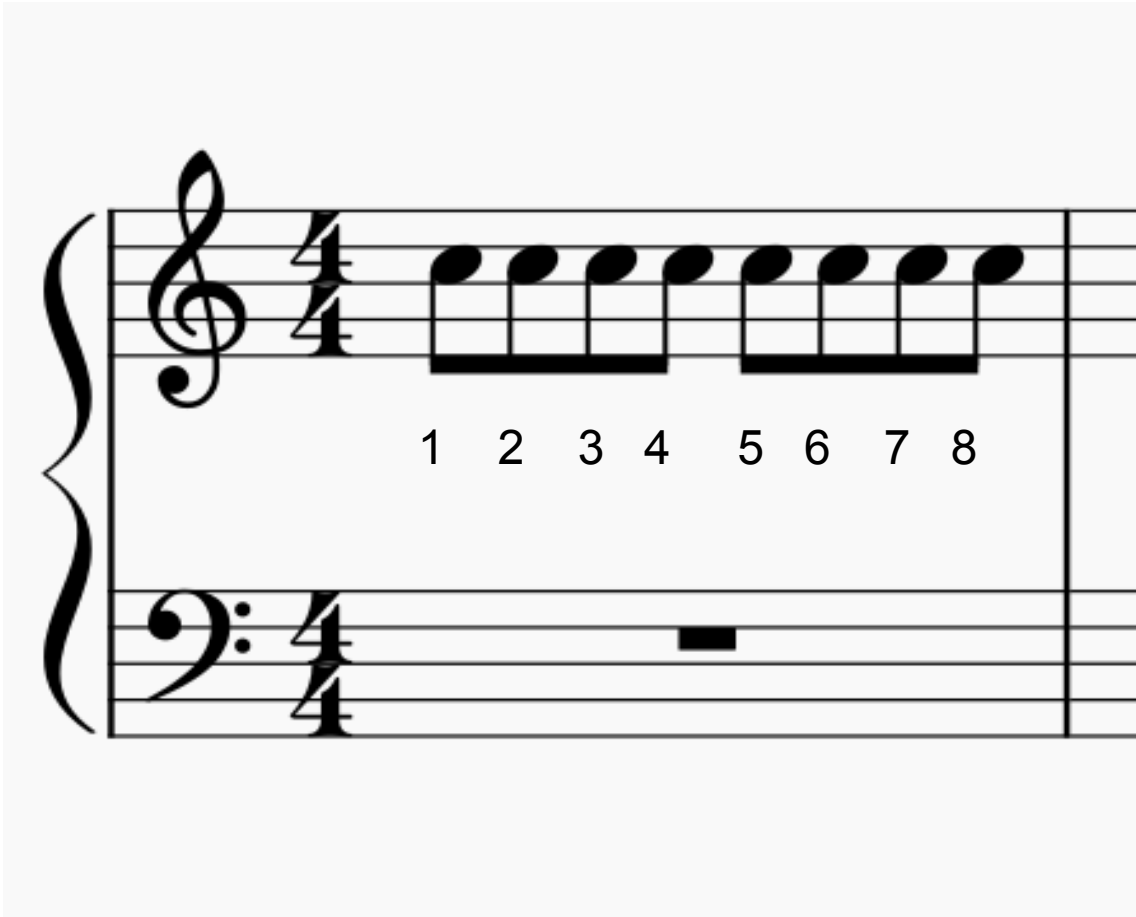


C, F, E, D, A, D, C, F
1 and 2 and

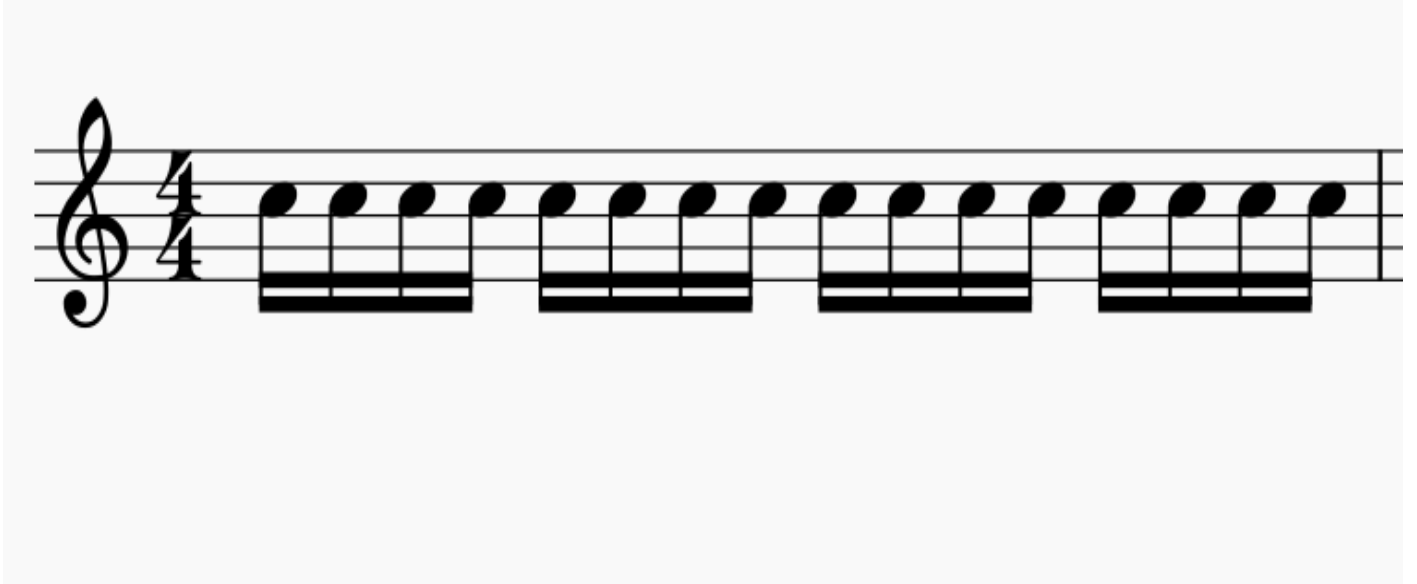
Let's start with
learning beats
or rhythm.



**In music
a 4/4 bar
has four
quarter beats.**



**Or it can have
8 eighth beats.**



**Or it can have
16 sixteenth
beats.**

The image shows a musical score in 4/4 time, consisting of two staves: a treble clef staff and a bass clef staff. The treble staff contains two measures of music. The first measure has eight eighth notes, grouped into two pairs of four. The second measure has four eighth notes. The bass staff contains two measures. The first measure has two quarter notes, and the second measure has a whole note. Below the treble staff, the first measure is counted '1 + 2 + 3 + 4 +' and the second measure is counted '1 2 3 4'. Below the bass staff, the first measure is counted '1,2 3,4' and the second measure is counted '1,2,3,4'.

**It also has
2 half beats.
How many
whole beats?**

Musical notation in 4/4 time. The treble clef part consists of eighth notes with counts: $1 + 2 + 3 + 4 +$ and $1 2 3 4$. The bass clef part consists of quarter notes with counts: $1,2$, $3,4$, and $1,2,3,4$.

**Yes, a whole
beat is 4
counts in 4/4.
Can you see
the pattern?**

Eighth notes		quarter notes
half notes		whole notes

Let's recap 4/4:

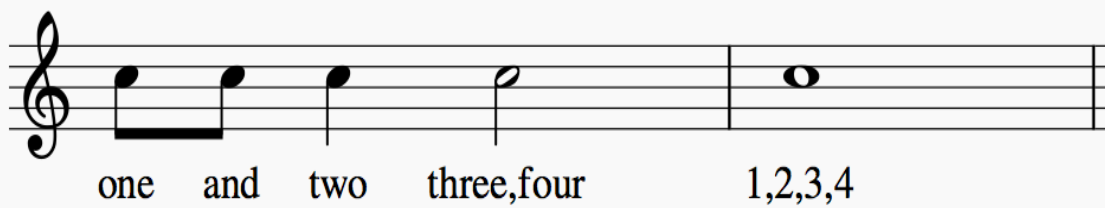
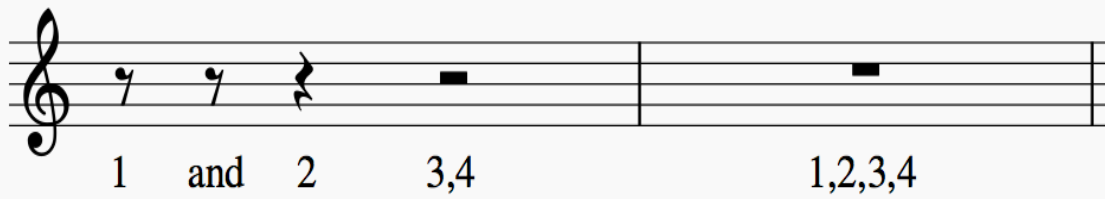
whole is four counts

Half is two counts,

Quarter is one count,

Eighth is half count

And so on.



**A rest is a
pause, where
there is no
beat.**

1,2

1,2,3,4

NOTE VALUES

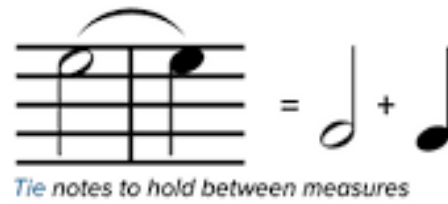
Whole Note Half Note Quarter Note Eighth Note Sixteenth Note









REST VALUES

Whole Rest Half Rest Quarter Rest Eighth Rest Sixteenth Rest







**Whenever
there is no beat
there must be
a rest!**

DOTS AND TIES



Note	Beats	Note	Beats
	4 beats		6 beats
	2 beats		3 beats
	1 beat		1½ beats
	½ beat		¾ beat

**Dotted notes
add half a note
again and tied
notes link.**

Name	Note	Rest	Length
Whole Note			4 beats
Half Note			2 beats
Quarter Note			1 beat
Eighth Note			1/2 beat
Sixteenth Note			1/4 beat

Extension:

Sometimes these notes
are called

Semi Breve - whole

Minum – $\frac{1}{2}$ - half

Crotchet – $\frac{1}{4}$ - quater

Quaver – $\frac{1}{8}$ eighth

Semi quaver – $\frac{1}{16}$ - sixteenth



SIMPLE
DUPLÉ



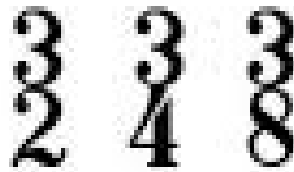
2-16
Note
Beats

2-14
Note
Beats

2-18
Note
Beats



SIMPLE
TRIPLE



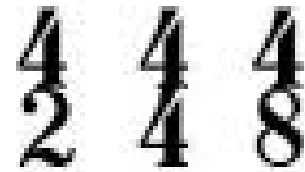
3-16
Note
Beats

3-14
Note
Beats

3-18
Note
Beats



SIMPLE
QUADRUPLE



4-16
Note
Beats

4-14
Note
Beats

4-18
Note
Beats

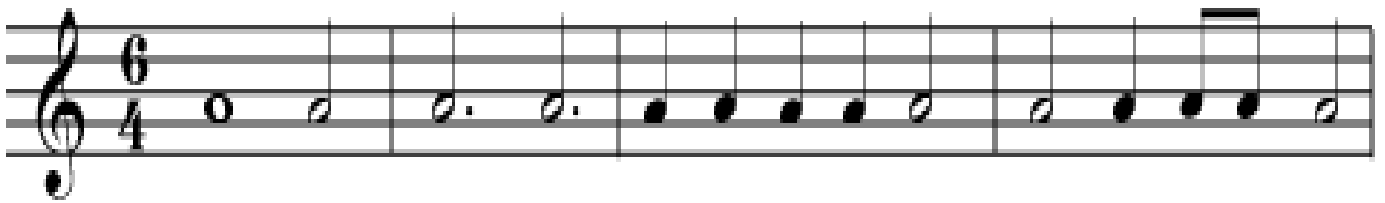
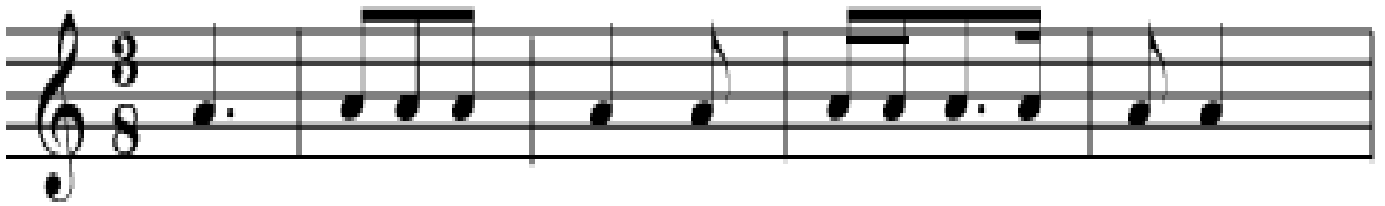
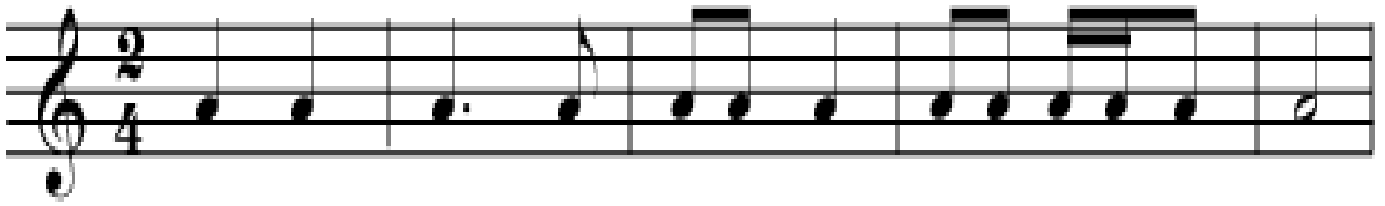


**Different
rhythms have
different
numbers of
notes in a bar.**

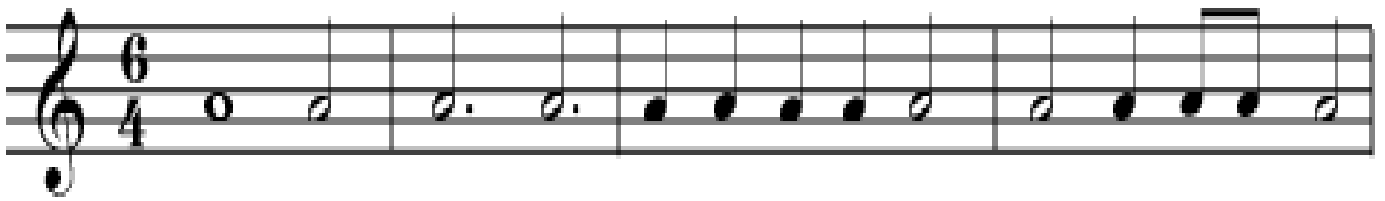
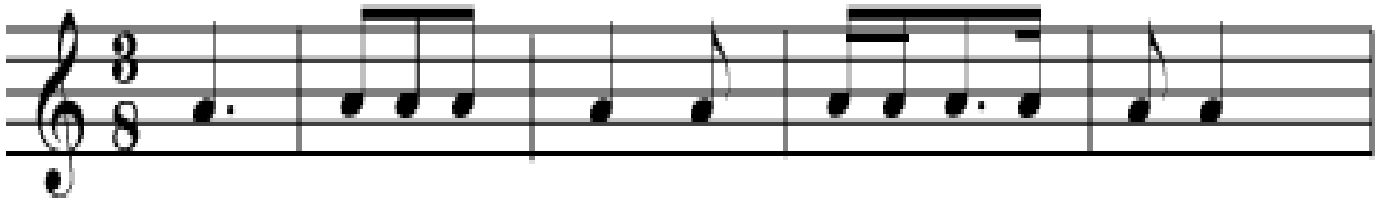
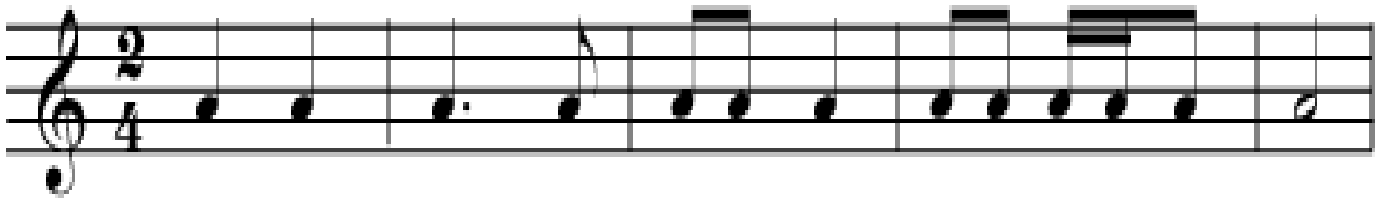
Two staves of music in 4/4 time. The top staff is in treble clef and the bottom staff is in bass clef. Measures 1-4 are numbered above the top staff. Measure 1: Treble (quarter, quarter, eighth, eighth), Bass (quarter, quarter, quarter, quarter). Measure 2: Treble (quarter, quarter, quarter), Bass (quarter, quarter, quarter, quarter). Measure 3: Treble (quarter, quarter, quarter), Bass (quarter, quarter, quarter, quarter). Measure 4: Treble (quarter, quarter, quarter), Bass (quarter, quarter, quarter, quarter).

Two staves of music in 4/4 time. The top staff is in treble clef and the bottom staff is in bass clef. Measures 5-8 are numbered above the top staff. Measure 5: Treble (quarter, quarter, quarter, quarter), Bass (quarter, quarter, quarter, quarter). Measure 6: Treble (quarter, quarter, quarter), Bass (quarter, quarter, quarter, quarter). Measure 7: Treble (quarter, quarter, quarter), Bass (quarter, quarter, quarter, quarter). Measure 8: Treble (quarter, quarter, quarter), Bass (quarter, quarter, quarter, quarter).

**Can you clap
these rhythms
in 4/4?**



**Here are some
tricky rhythms
to clap.**



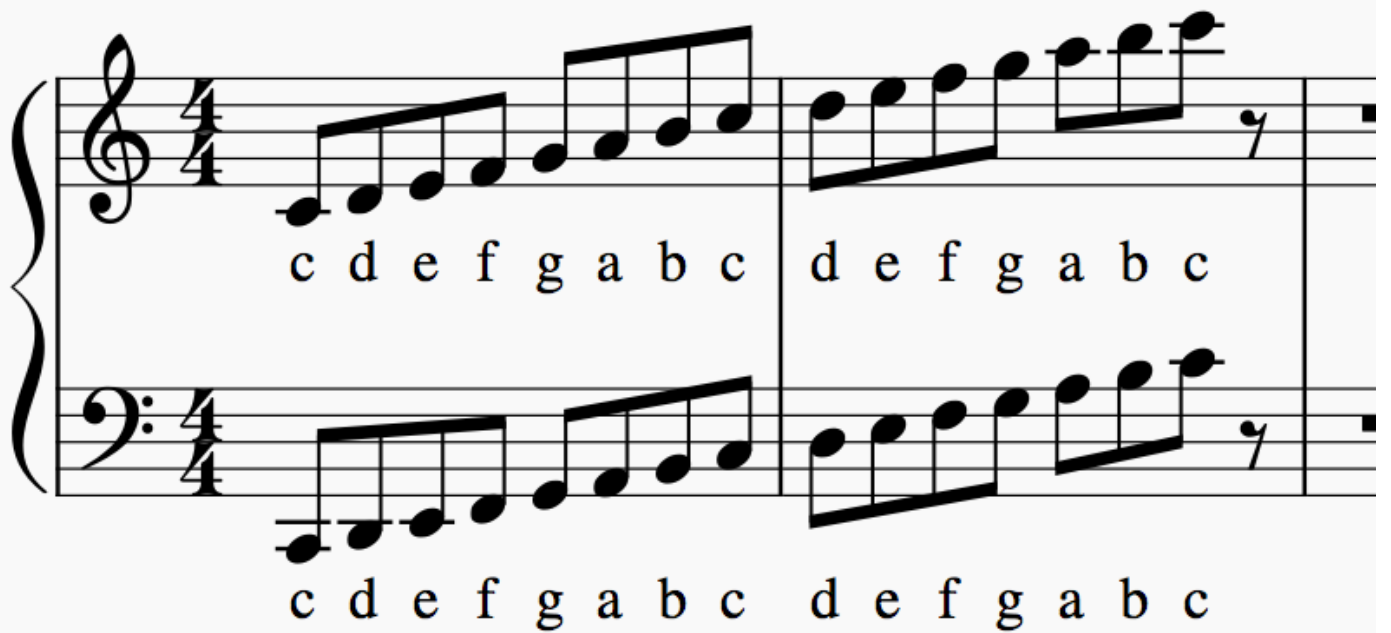
Can you see
the pattern?

(Hint – the bottom
number is the type
of beat)

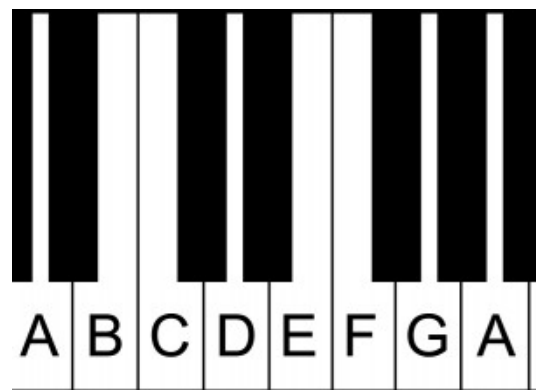


C, F, E, D, A, D, C, F
1 and 2 and

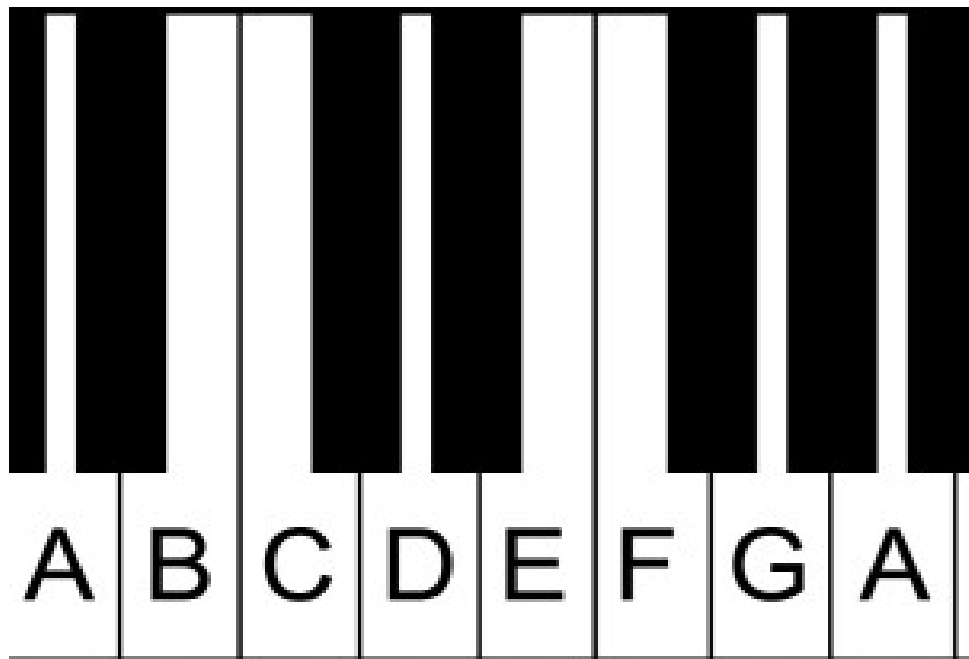
Lets learn
about tone.




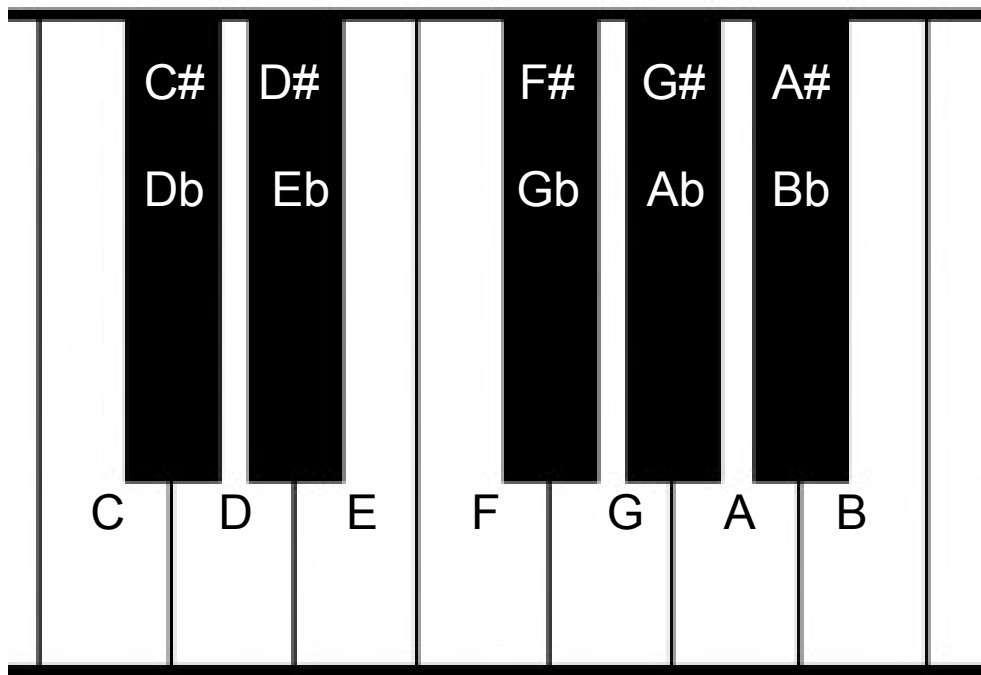
**The natural
notes are
named like the
alphabet.**



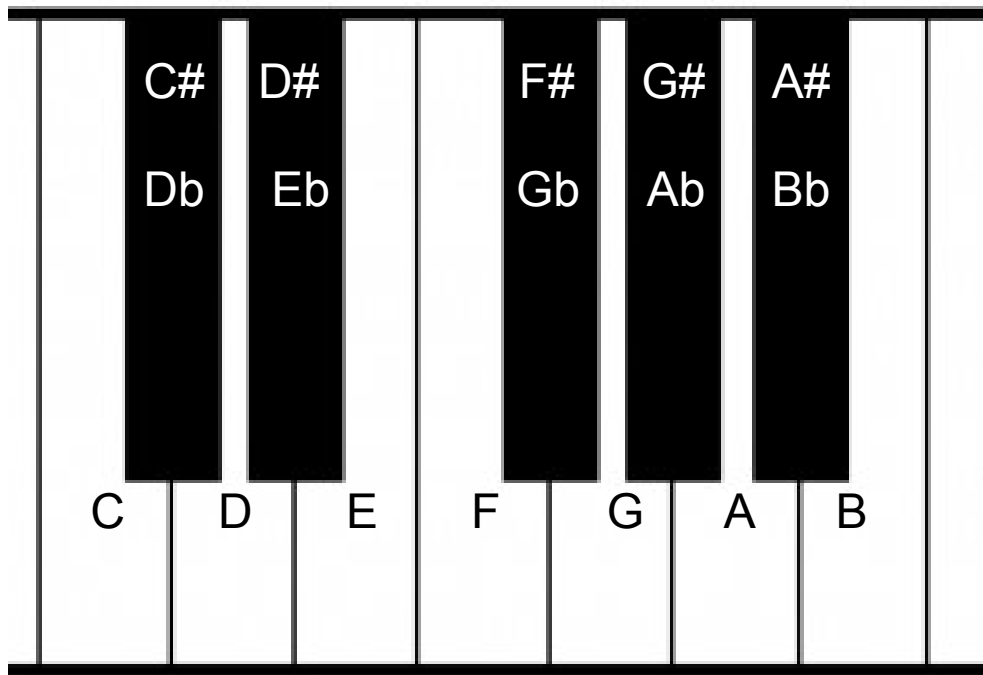
**A, B, C, D, E, F
G, only 7, then
we start at A.**



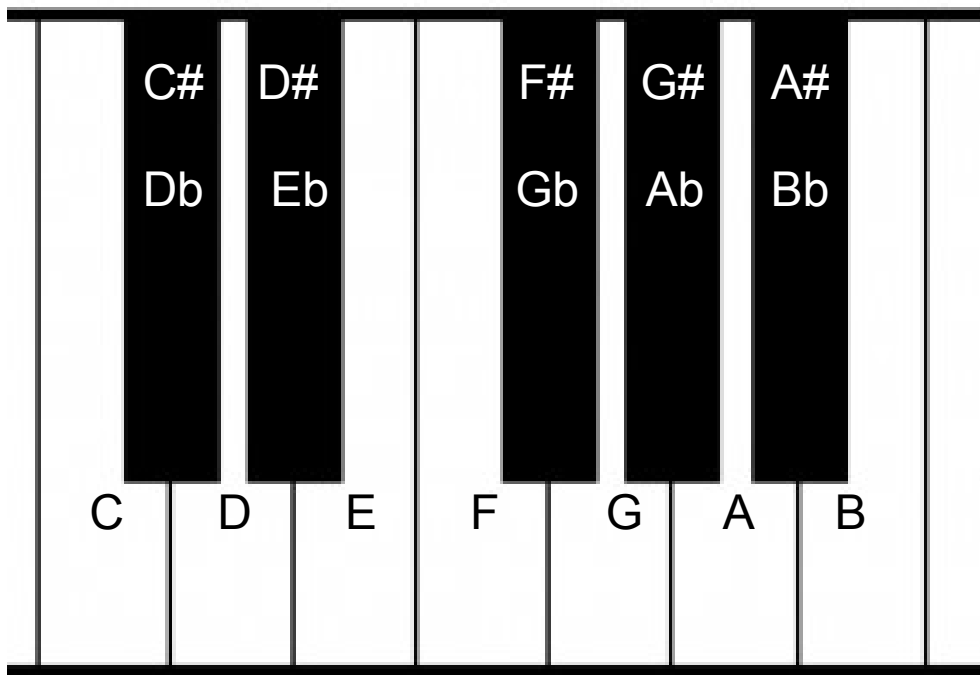
**On a piano the
natural notes
() are the
white keys.**



The other
notes are
called sharps
(#) or flats (b).

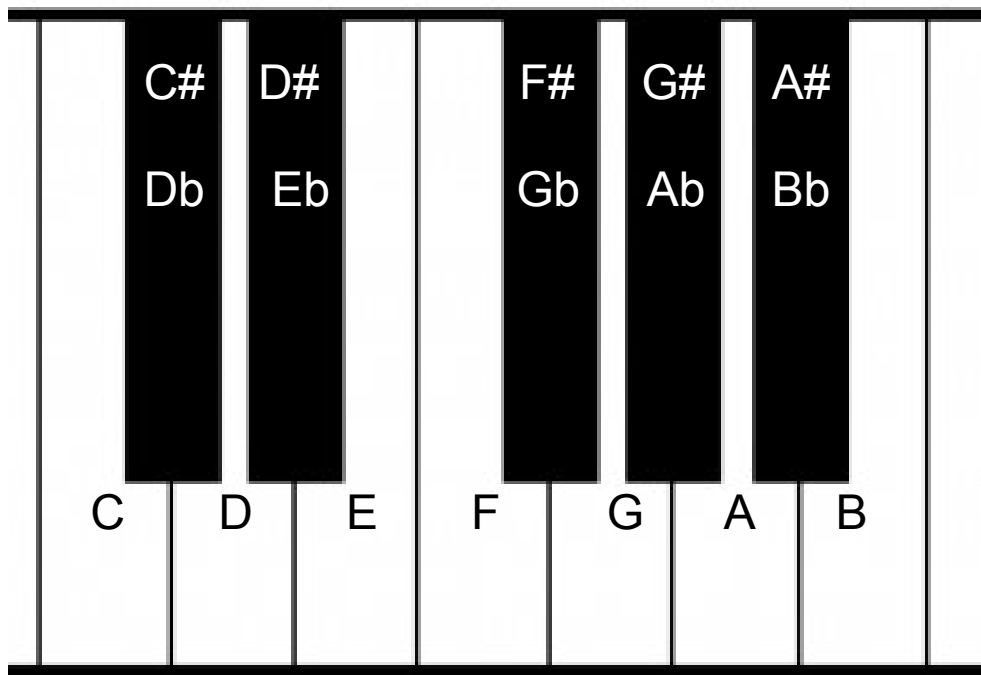


**On a piano the
sharps and flats
are the black
keys.**



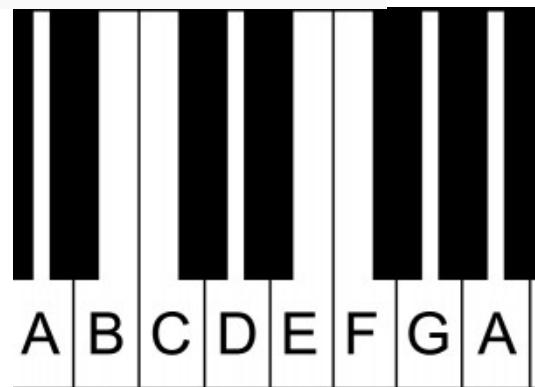
**Sharps and
flats relate to
the natural**

$$C\# = D\flat$$

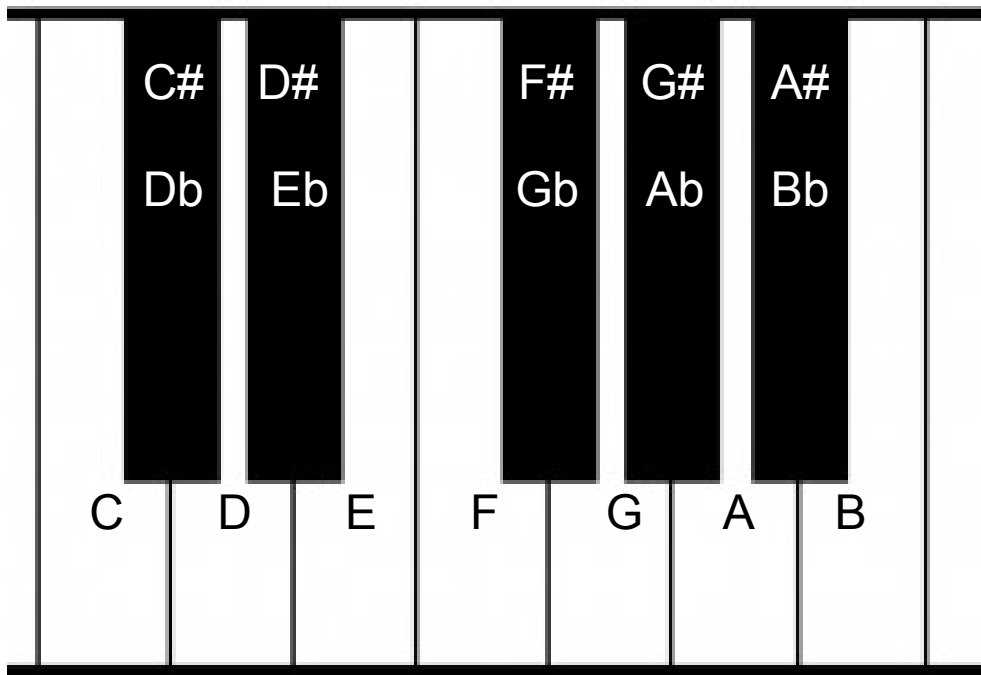


**That is, sharps
and flats have
two names**

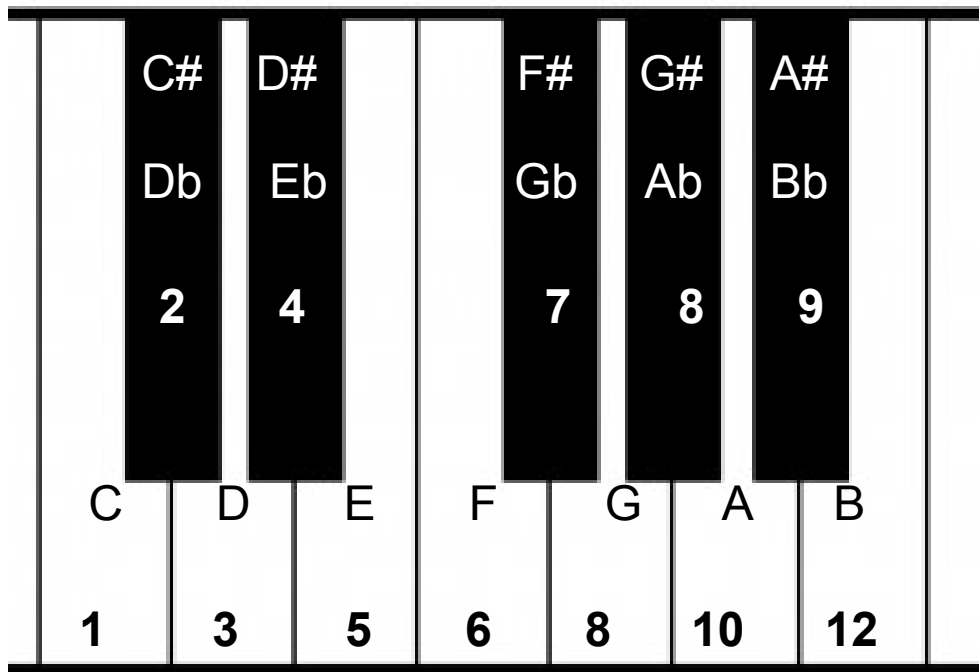
$$C\# = D\flat$$



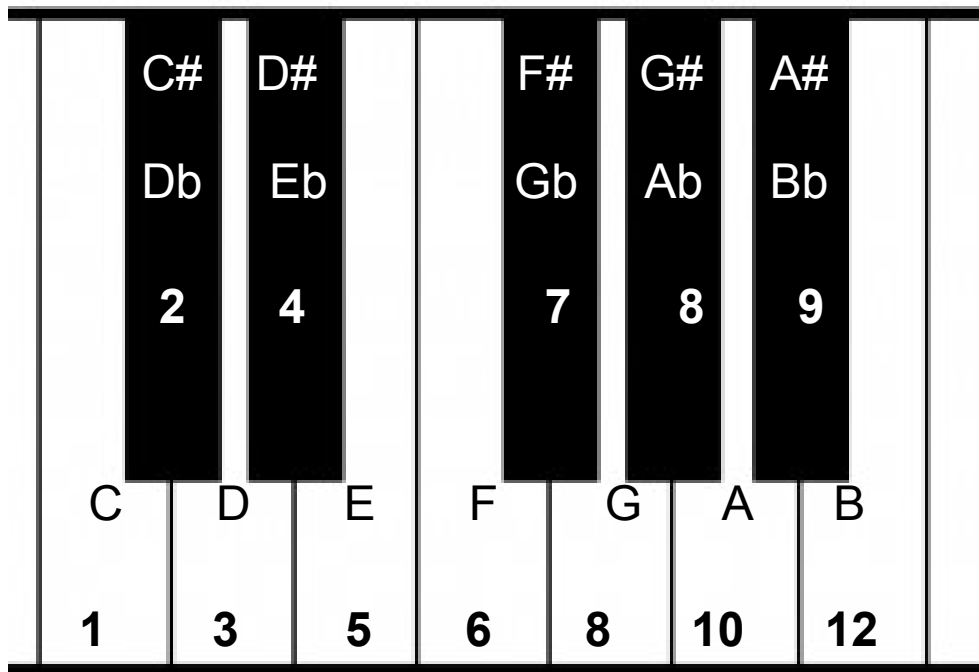
The *jump* from
A to A again is
called an
Octave.



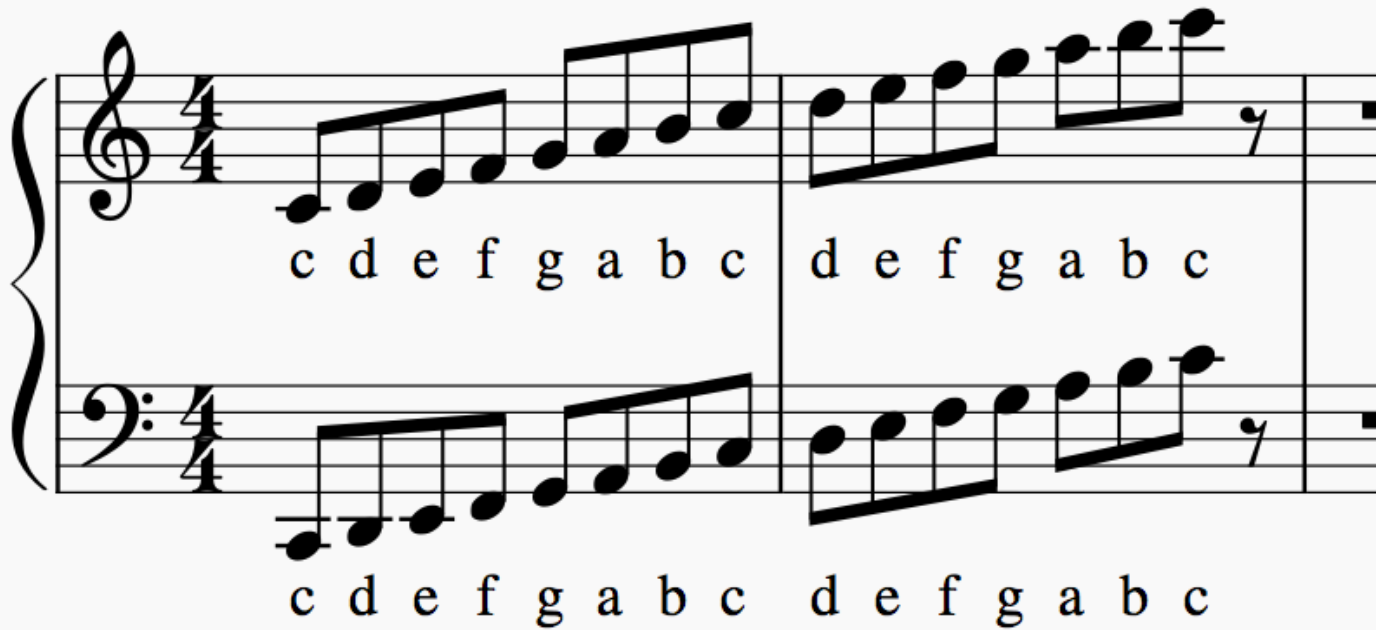
**An octave
contains all the
notes we have.**



**For traditional
music that's 12
notes all
together!**



7 naturals
5 accidentals
(sharp or flat)



**Each octave
repeats at
higher or lower
itches.**

Two staves of musical notation. The top staff (treble clef) shows a scale starting on middle C (c) and ascending to the next C (c). The bottom staff (bass clef) shows a scale starting on the C below middle C (c) and ascending to the next C (c). The notes are labeled with lowercase letters: c d e f g a b c on the top staff and c d e f g a b on the bottom staff.

a b c d e f g a b c

A diagram of a piano keyboard showing two octaves of keys. The keys are labeled with uppercase letters: A B C D E F G A B C D E F G A B C D E F G A B. A vertical line labeled "middle" is positioned between the two octaves, indicating the middle C (C4) is the first C in the second octave.

How many octaves can you count here?

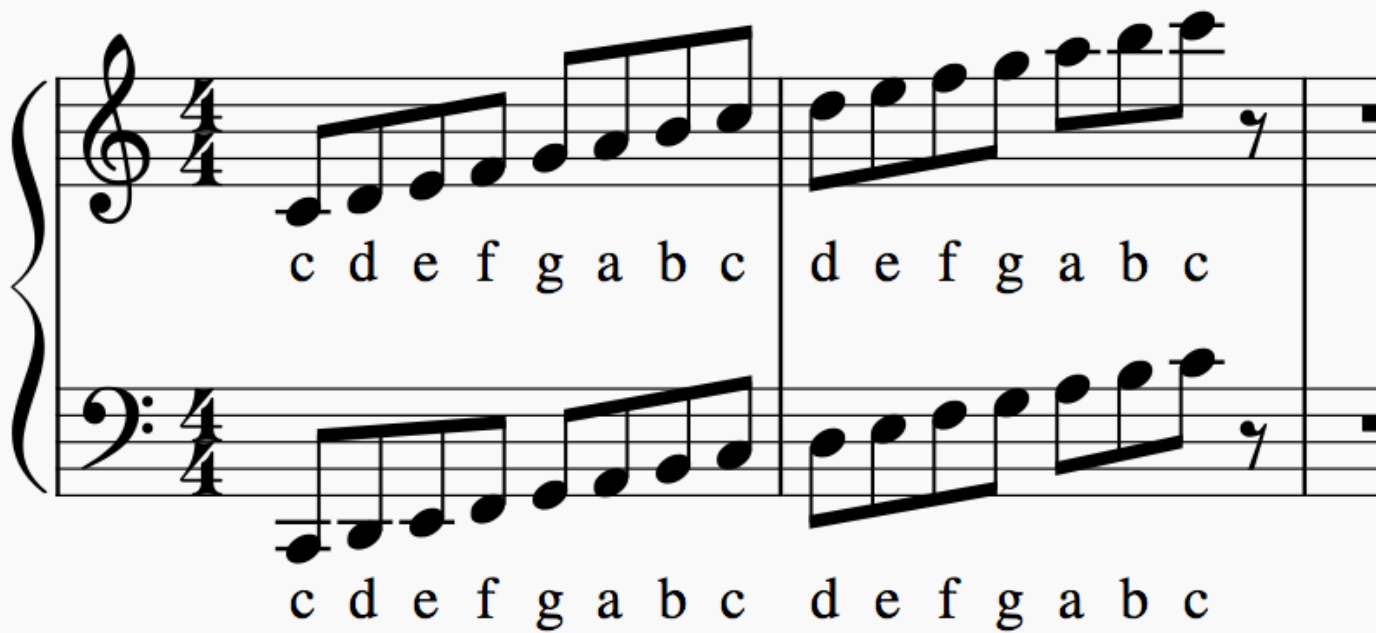
STAVE / STAFF



TREBLE
CLEF

BASS
CLEF

To write down
music we use
clefs and
staves.



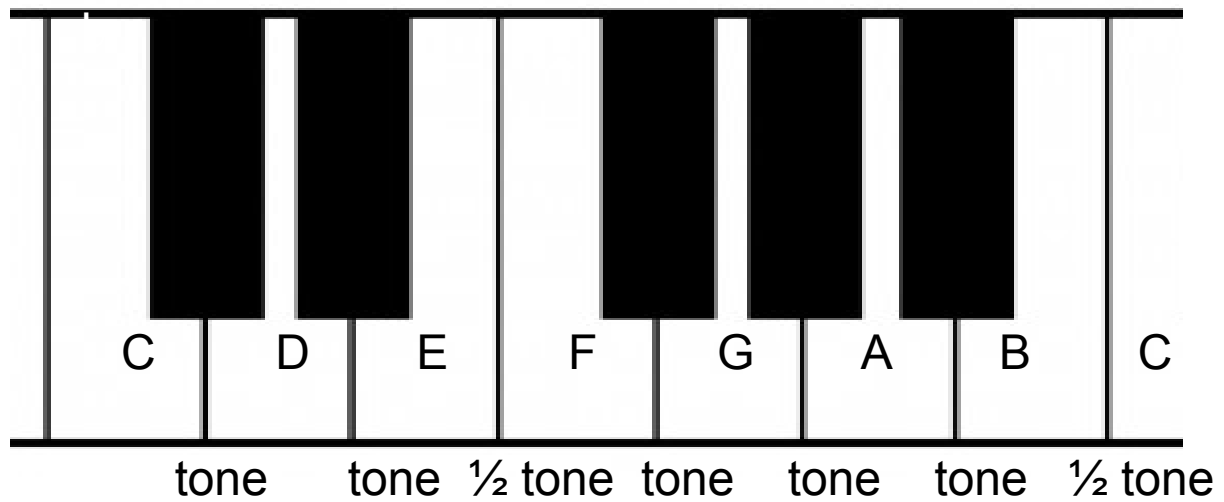
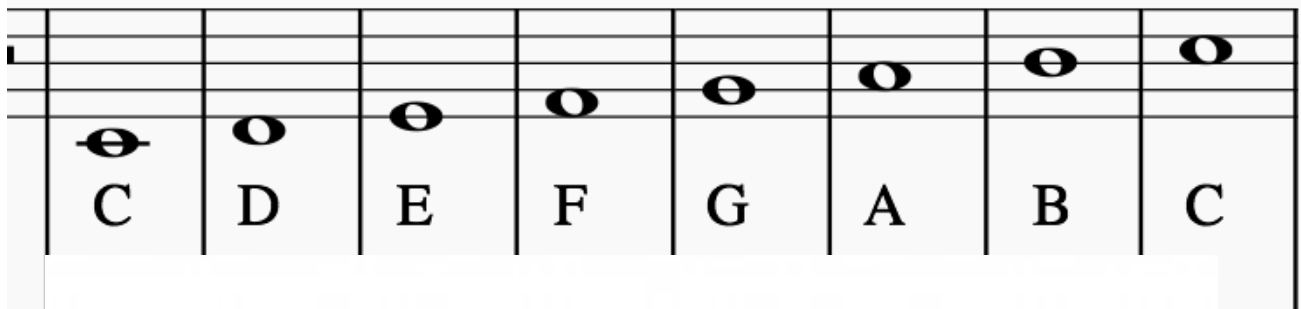
**Each line on
the staff is one
natural note.**



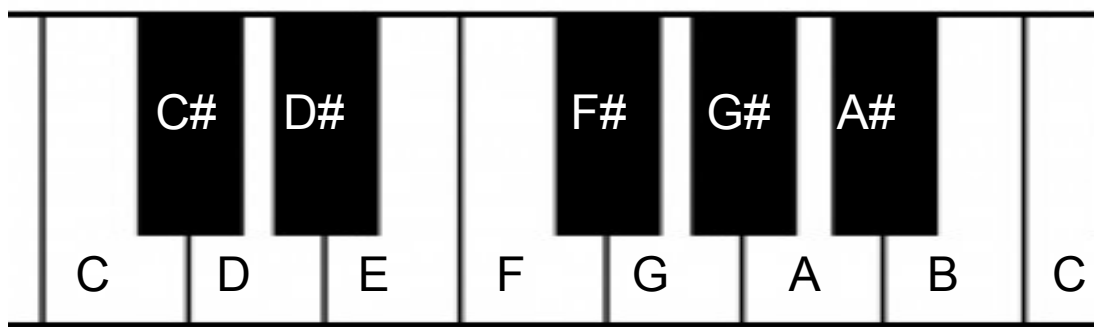
The sharp and
flat notes are
you guessed it
or b.



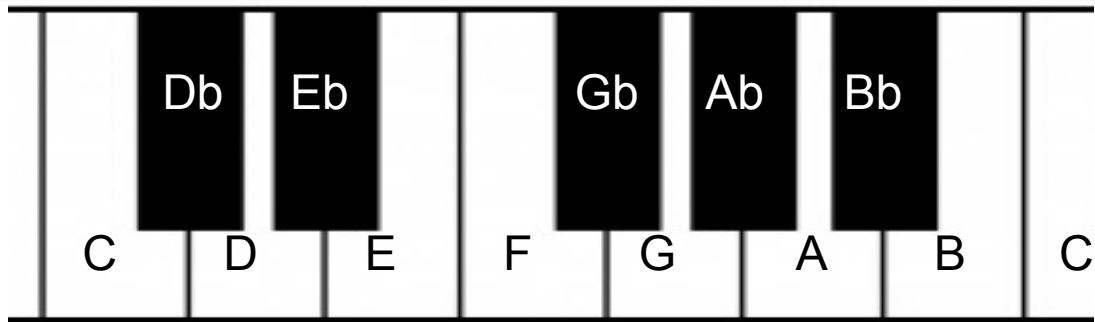
Can you see
why sometimes
a # or b can be
better?



A scale is a series of tones or half tones in an octave.



**A scale with all
12 notes is a
chromatic
scale.**



**Chromatic
scales have
only half tones.**



C Major

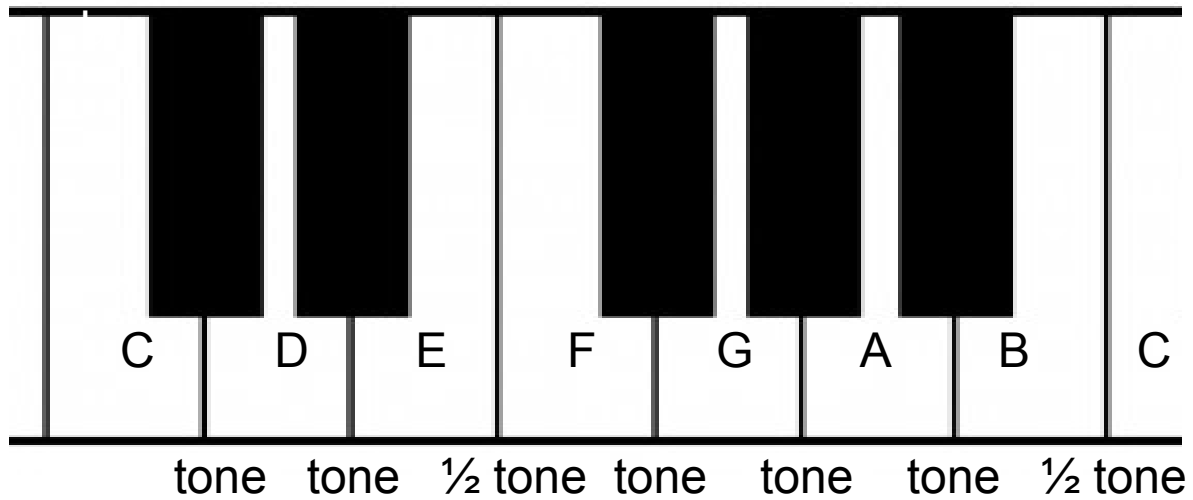


A minor

**Other scales
can be major or
minor.**

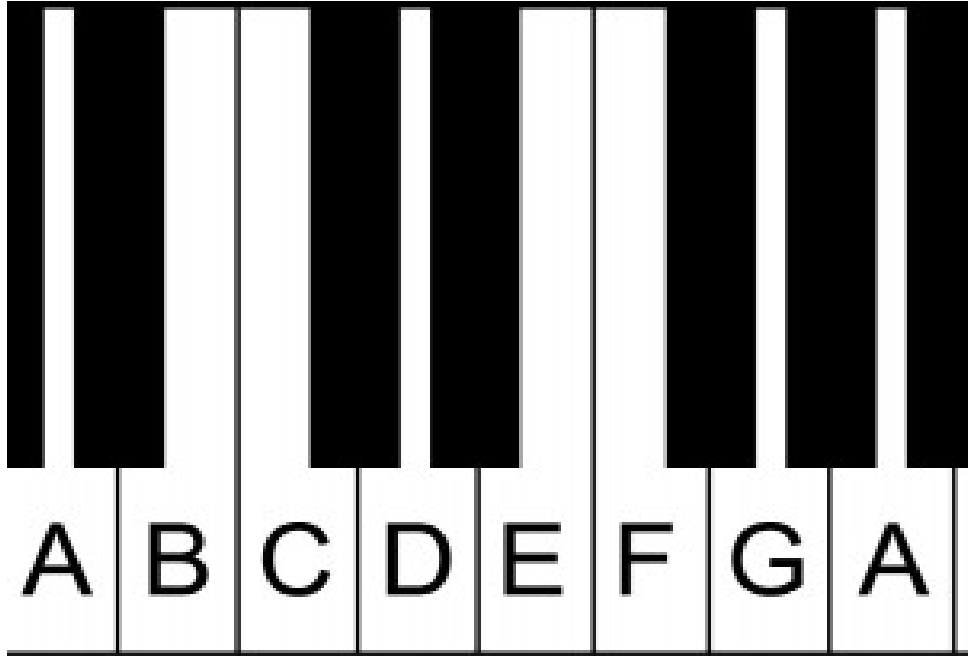


C Major



**Major keys are
happy
sounding.**

A minor



tone ½tone tone tone ½tone tone tone

**Minor keys are
sad sounding.**

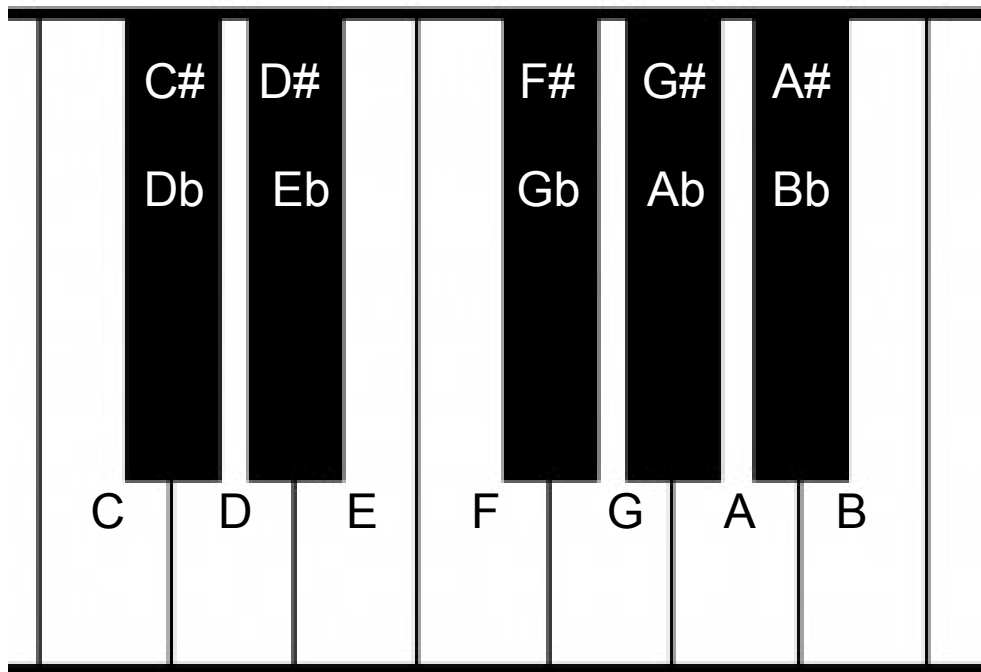


C Major



A minor

**The easiest
scales are C
major and A
minor.**



**C major and A
minor don't
have any
sharps or flats.**



Finger: 1 2 3 1 2 3 4 5



1 2 3 1 2 3 4 5

**Try to play
these scales on
a keyboard
(real or online).**



**Can you hum
along?
Note the
different sound**

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

G G F F E E D G G F F E E D

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

Now try this
tune, do you
recognise it?



C, F, E, D, A, D, C, F
1 and 2 and

**Congratulations,
now you can
play music!**

Glossary

Scale

Clef

Note

Sharp

Flat

Natural

Accidental

Tone

Beat

Quarter note

Eighth note

Half Note

Whole note

Time signature

Major

Minor

Octave

Bar



C, F, E, D, A, D, C, F
1 and 2 and

Resources and Activities

Check out The Captain Uke's Glockenspiel Book, you should be able to play all the tunes in the book now:

The Kaptain Uke Glockenspiel Book - Simple tunes for all ages

Try writing your own music with MuseScore: A free program, and really easy to use:

<https://musescore.org/en/download>

The piano or keyboard is a great starting point for music, and can be easily learn try some simple tunes using two hands next.

Once you know rhythm and how to read music, you can try any instrument out, contact a local music school or business to see if you can hire an instrument you might like to learn.

To contact the author write to danielle@redskyventures.org

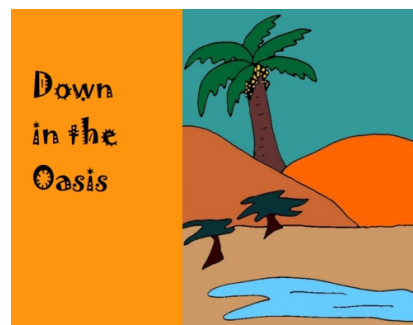
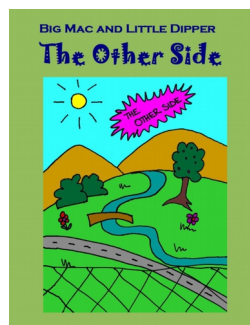
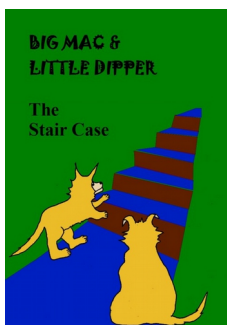
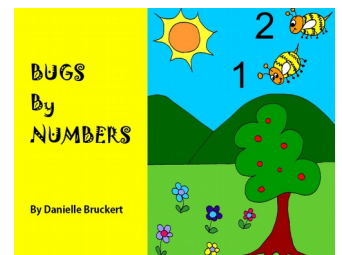
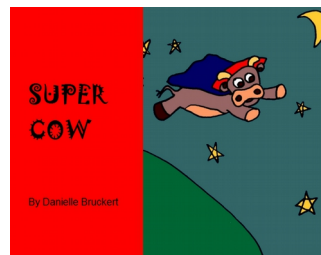
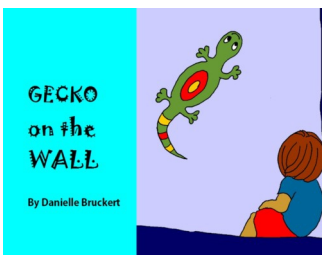
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