

## Rhythm

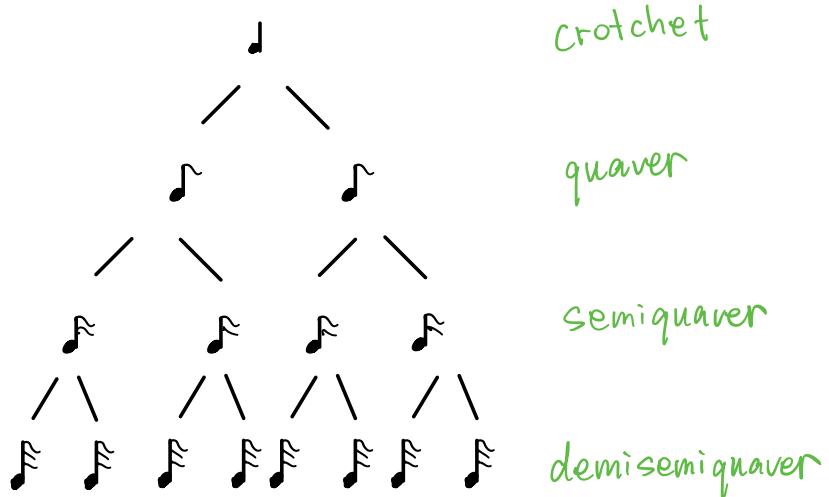
demisemiquaver

三十二分音符

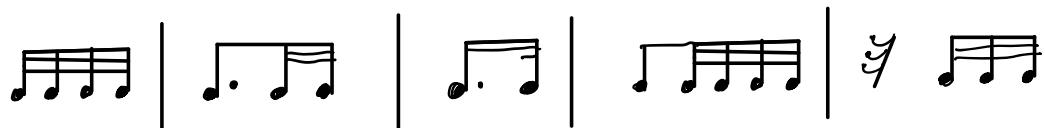


三十二分休止符

一个四分音符可以分成 8 个三十二分音符



三十二分音符常见的组合方式



三十二分音符的三连音

$$\begin{array}{c} 3 \\ \text{---} \\ | \\ \text{---} \\ | \\ \text{---} \\ | \\ \text{---} \\ | \\ \text{---} \end{array} = \text{---} = \text{---}$$



Up beat (上拍)

- 是紧跟下拍之前的上一个节拍最后一拍

例



Duple 二拍子	$\frac{2}{4}$ $\frac{2}{2}$	每小节二拍
Triple 三拍子	$\frac{3}{4}$ $\frac{3}{2}$ $\frac{3}{8}$	每小节三拍
Quadruple 四拍子	$\frac{4}{4}$ $\frac{4}{2}$	每小节四拍

音符、休止符的组合规则 —— 为了更方便读谱。

Beams (臂杠):  可以组合超过一拍，但是  
避免在  $\frac{4}{4}$  拍的小节中间组合 (2-3拍时)  
.....

Rests (休止符)：每一个小节、半小节、全拍的无声都应该使用一个休止符。如果横跨中间的节拍，应拆分表示。全小节的无声使用 — 表示。

Ties (同音连线) 避免使用 ties, 当一个音符就可  
slur (分音连线) 以表示.

TEST:

判断下列组合规则是否正确

A musical staff with a treble clef and a 4/4 time signature. A green bracket above three eighth notes spans the duration of a quarter note. To its left is a green '4'. To the right is a red 'X'.

A musical staff with a treble clef and a 4/4 time signature. A green bracket above two eighth notes spans the duration of a quarter note. To its left is a green '4'. To the right is a green checkmark.

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节奏可以通过 加倍或 减半时值改写.

比如  $\frac{2}{4}$  可以通过 加倍所有音符时值变成  $\frac{3}{4}$

TEST:

将下列节奏改写或  $\frac{3}{4}$

A musical staff with a treble clef and a 4/4 time signature. A green bracket above four sixteenth notes spans the duration of a quarter note. To its left is a green '4'.

A musical staff with a treble clef and a 4/4 time signature. A green bracket above four sixteenth notes spans the duration of a quarter note. To its left is a green '4'.

# Simple and compound time 简单和复合拍子

简单拍子就是每一拍可以拆分成(2)个相同的拍子

复合拍子就是每一拍可以拆分成(3)个相同的拍子

简单 拍子	$\frac{2}{4}, \frac{3}{4}, \frac{4}{4}$	每一拍 $\text{♩}$ 可以拆分成 $\text{♪} \text{ ♪}$
	$\frac{2}{2}, \frac{3}{2}, \frac{4}{2}$	每一拍 $\text{♩}$ 可以拆分成 $\text{♪} \text{ ♪}$
	$\frac{3}{8}$	每一拍 $\text{♪}$ 可以拆分成 $\text{♪} \text{ ♪}$
	$\frac{6}{8}, \frac{9}{8}, \frac{12}{8}$	每一拍 $\text{♩}$ 可以拆分成 $\text{♪} \text{ ♪}$
复合拍子		

No. of beats 1 2 1 2

Type of beat  $\text{♩}$   $\text{♩}$   $\text{♩}$   $\text{♩}$

In  $\frac{6}{8}, \frac{9}{8}$  and  $\frac{12}{8}$ , the beat divides into  $\text{♪} \text{ ♪} \text{ ♪}$

No. of beats 1 2 3 1 2 3 1 2 3

Type of beat  $\text{♩}$   $\text{♩}$   $\text{♩}$   $\text{♩}$   $\text{♩}$   $\text{♩}$   $\text{♩}$   $\text{♩}$   $\text{♩}$

No. of beats 1 2 3 4 1 2 3 4 1 2 3 4

Type of beat  $\text{♩}$   $\text{♩}$

- $\frac{6}{8}, \frac{9}{8}, \frac{12}{8}$  每一拍是  $\text{♩}$ .

## 复合拍子的音符、休止符组合规则

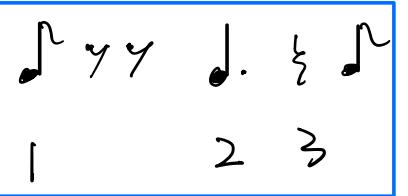
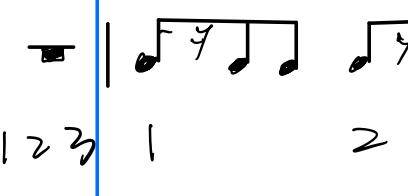
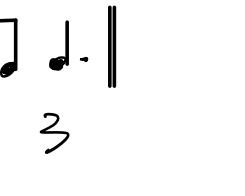
- 与简单拍子组合规则差不多，除了复合拍子只组合成一拍  $\text{d}.$ ，不会组合成多拍。
- 在  $\frac{12}{8}$  拍里，如果前 2 拍或后 2 拍为无声，使用 dotted minim rest  $\text{—}\cdot$ ，但不要在第 2~3 拍使用。

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$\frac{6}{8}$      |     |     |     ||

Beats : 1              2      1              2      1      2

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$\frac{9}{8}$      |     |     ||

(1)                          (2)

1              2      3              1      2      3      1      2      3

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- ① 当前 2 个  $\frac{1}{8}$  拍是无声时，使用  $\text{—}\cdot$  表示一拍。  
当后 2 个  $\frac{1}{8}$  拍是无声时，使用  $\text{—}\text{yy}$  表示一拍。
- ② 不管在什么拍号 (time signature) 里，整个小节的无声都用  $\text{—}$  表示。

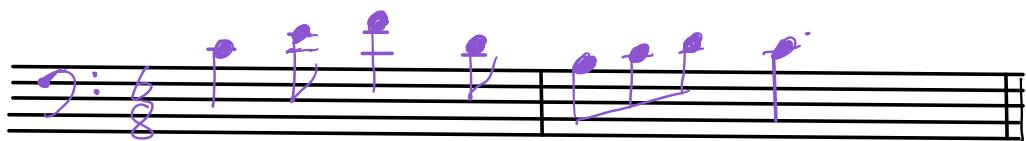
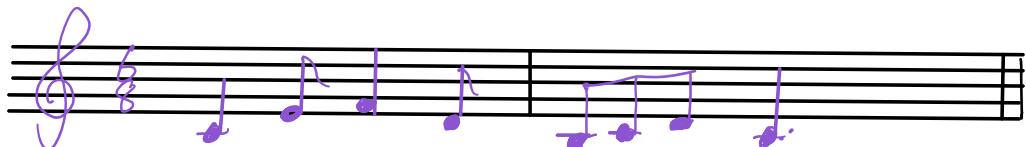
Compound double time 复合二拍子	$\frac{6}{8}$	每小节二拍
Compound triple time 复合三拍子	$\frac{9}{8}$	每小节三拍
Compound quadruple time 复合四拍子	$\frac{12}{8}$	每小节四拍

如何区分  $\frac{6}{8}$  和  $\frac{3}{4}$ ?  
看它们音符的组合规则

$\frac{6}{8}$ Beats	1            2	$\frac{3}{4}$ Beats	1            2
$\frac{6}{8}$ Beats	1            2	$\frac{3}{4}$ Beats	1            2

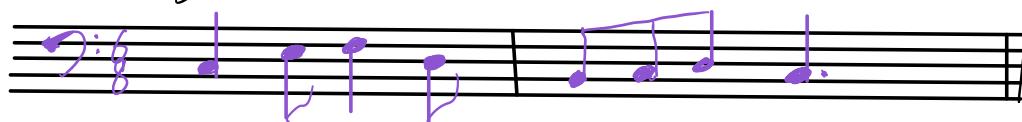
pitch 音高

以下是同一个旋律句 - 音调写在treble clef 和 bass clef.



将上列音符改写 高八度或低八度.

(低八度)

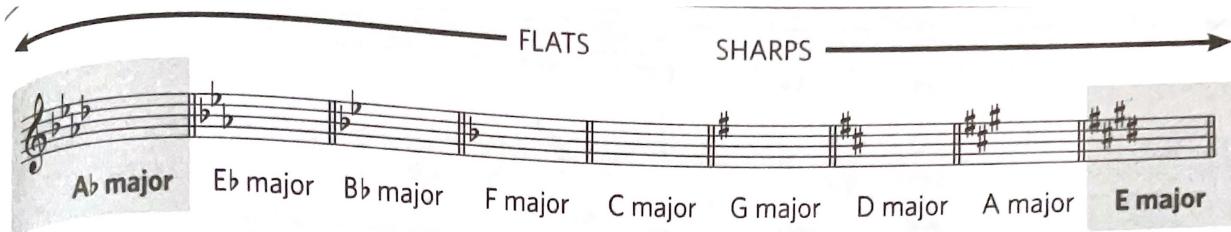


(高八度)



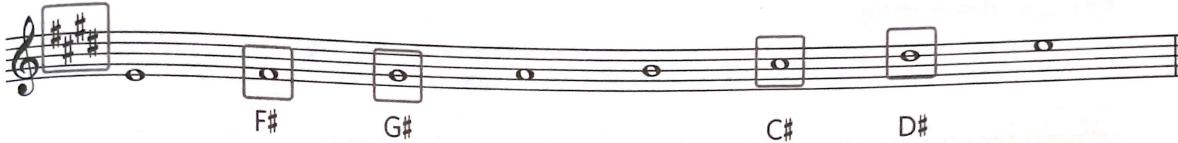
# 调式和音阶 keys & Scales

Grade 3 新作 E major 和 Ab major

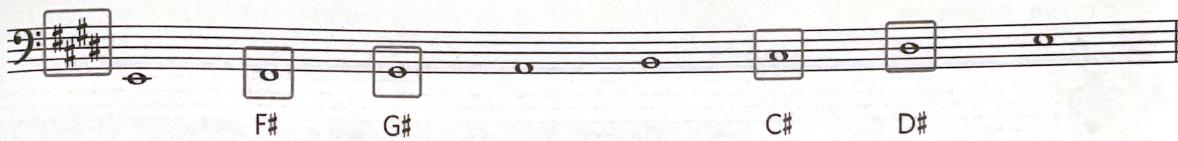


## E major scale, ascending

Degrees: Tonic (1st) 2nd 3rd 4th 5th 6th 7th Tonic (8th)

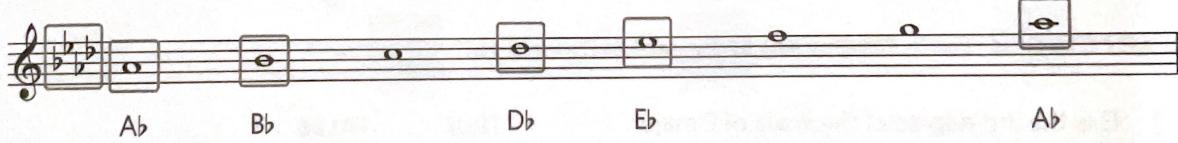


Degrees: Tonic (1st)    2nd    3rd    4th    5th    6th    7th    Tonic (8th)



## **A<sub>b</sub> major scale, ascending**

Degrees: Tonic (1st) 2nd 3rd 4th 5th 6th 7th Tonic (8th)



Degrees: Tonic (1st) 2nd 3rd 4th 5th 6th 7th Tonic (8th)



## 旋律小调 (melodic minor scale)

上行升高第六和第七音, 下行还原

The diagram illustrates the melodic and harmonic minor scales for the key of A major (A4-C5-E5-G5-B5-D6-F#6-A6-C7).  
Melodic Minor (A melodic minor):  
- Ascending: Notes: A, B, C, D, E, F#, G#. Labels: "raised 6th 7th" above the notes F# and G#. Position: Treble clef, 4 sharps.  
- Descending: Notes: A, G#, F#, E, D, C, B, A. Labels: "lowered 7th 6th" below the notes G# and F#. Position: Treble clef, 1 sharp.  
Harmonic Minor:  
- Ascending: Notes: A, B, C, D, E, F#, G#. Label: "raised 7th" above the note G#. Position: Treble clef, 1 sharp.  
- Descending: Notes: A, G#, F#, E, D, C, B, A. Label: "raised 7th" above the note G#. Position: Treble clef, 1 sharp.

## 相对小调

A diagram showing the relative minor keys for major keys from F# to C#.  
FLATS: F minor (F#), C minor (C#), G minor (G#), D minor (D#), A minor (A#), E minor (E#).  
SHARPS: B minor (B#), F# minor (F##), C# minor (C##).  
Below the keys are their corresponding major keys:  
F minor: Ab major  
C minor: Eb major  
G minor: Bb major  
D minor: F major  
A minor: C major  
E minor: G major  
B minor: D major  
F# minor: A major  
C# minor: E major

虽然大调和小调有共同的调号, 但是它们的主音

Tonic 是不同的  $\Rightarrow$  音程排列顺序也不同.

且小调有时也会因为 melodic / harmonic minor 而在 6th, 7th 音上有变化.

TEST

选择对应的调号

B minor

Three musical staves for selecting a key signature. The first staff has a treble clef, two sharps, and a checkmark under it. The second staff has a bass clef, two sharps, and an empty box. The third staff has a treble clef, one sharp, and an empty box.

选择对应的调号 (小调可能会在第6、7th度音有变调符号)

A musical staff with a bass clef, a key signature of one flat, and a tempo marking of 120 BPM. The staff shows a sequence of notes: C, D, E, F, G, A, B, C, D, E, F, G, A. A bracket labeled '3' groups the notes B, C, D, E, F, G.

A musical staff with a bass clef and a key signature of one flat.

F major

B♭ major

D major

G minor

A musical staff with a treble clef and a key signature of one flat. It shows a sequence of notes: C, D, E, F, G, A, B, C, D, E, F, G, A. Brackets labeled '3' group the notes D, E, F, G, A, B.

A musical staff with a treble clef and a key signature of one flat. It shows a sequence of notes: C, D, E, F, G, A, B, C, D, E, F, G, A. Brackets labeled '3' group the notes D, E, F, G, A, B.

F major

A♭ major

C minor

F minor

音程 intervals : 2个音之间的距离有多远

C. D. E (跨3度)

C D E F G (跨5度)

1. 4. 5. 8  $\Rightarrow$  完全

- 大调及其相对小调，第 1. 4. 5. 8 度称为完全音程  
大调 及其相对小调，第 1. 4. 5. 8 度称为完全音程 (perfect intervals)

perfect 4th 完全4度：5个半音

perfect 5th 完全5度：7个半音

perfect 8th/8ve 完全8度：12个半音

2. 3. 6. 7  $\Rightarrow$  大几度，小几度

- 大调及其相对小调，第 2. 3. 6. 7 度称完大几度  
大调 及其相对小调，第 2. 3. 6. 7 度称完大几度 (major intervals)

major 2nd intervals 大二度：2个半音

major 3rd intervals 大三度：4个半音

major 6th intervals 大六度：9个半音

major 7th intervals 大七度：11个半音

● 第 2、3、6、7 度，比大几度小半音 叫 小几度

minor 2nd intervals 小二度：1个半音

minor 3rd intervals 小三度：3个半音

minor 6th intervals 小六度：8个半音

minor 7th intervals 小七度：10个半音

TEST:

如下 E 大调，写出对应音程的音符

A musical staff in G clef. It shows the notes E, F#, G, A, B, C, D. Below the staff, the intervals are labeled: major 2nd, minor 3rd, major 3rd, and perfect 4th.

A musical staff in G clef. It shows the notes B, C, D, E, F#, G, A. Below the staff, the intervals are labeled: perfect 5th, minor 6th, major 6th, and minor 7th.

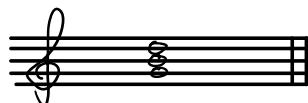
A musical staff in G clef. It shows the notes A, B, C, D, E, F#, G, A. Below the staff, the intervals are labeled: major 7th and perfect 8ve.

## 三和弦 (Tonic Triad Chords)

音阶的 1, 3, 5 度音组合，最化音为主音。

### 大三和弦 (major Triad chords)

= 主音 + 大三度 + 小三度



G major Triad

### 小三和弦 (minor Triad chords)

= 主音 + 小三度 + 大三度



G minor Triad

TEST:

根据三和弦, 选择对应的调



D major

D minor

F# minor

B minor

# Terms & Signs

	<b>Italian term</b>	<b>Meaning</b>
<b>Dynamics:</b>	<i>sforzando, sforzato, <b>sf</b>, <b>sfz</b></i>	forced, accented
<b>Tempo:</b>	<i>andantino</i>	slightly faster than <i>andante</i> (but may also mean slightly slower)
	<i>prestissimo</i>	very fast
<b>Expression:</b>	<i>agitato</i>	agitated
	<i>animato</i>	animated, lively
	<i>con forza</i>	with force
	<i>energico</i>	energetic
	<i>giocoso</i>	playful, merry
	<i>leggiero</i>	light
	<i>maestoso</i>	majestic
	<i>marcato (marc.)</i>	emphatic, accented
	<i>pesante</i>	heavy
	<i>risoluto</i>	bold, strong
	<i>scherzando</i>	playful, joking
	<i>semplice</i>	simple, plain
	<i>sostenuto (sost.)</i>	sustained
	<i>tranquillo</i>	calm
	<i>triste, tristamente</i>	sad, sorrowful
<b>General:</b>	<i>ben</i>	well
	<i>prima, primo</i>	first
	<i>sempre</i>	always
	<i>simile</i>	in the same way
	<i>subito (sub.)</i>	suddenly