Music

Listening: Literacy Workbook

[ADVANCED HIGHER]

Derek Norval



Acknowledgement Learning and Teaching Scotland gratefully acknowledge this contribution to the National Qualifications support programme for Music. First published 2005 © Learning and Teaching Scotland 2005

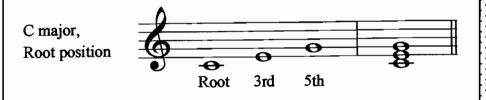
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Section 1: Triads

The workbook for Higher Music deals with **triads** - three-note chords. Until now we have dealt with triads in **root position**, that is, with the **root** as the lowest note (the letter-name of the triad), the note a 3rd above the root and the note a 5th above the root.

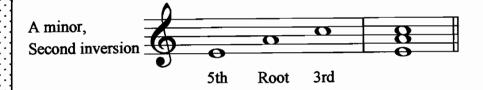


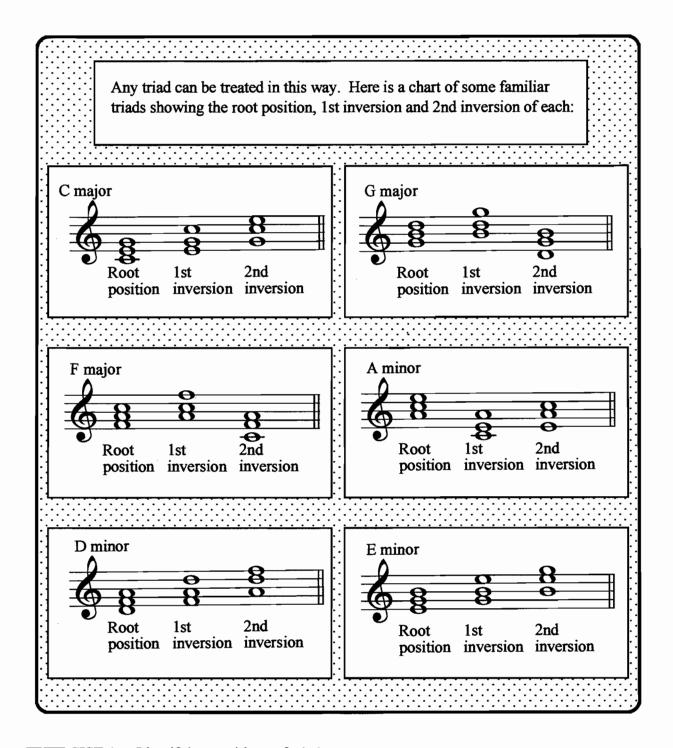
We will now deal with what are called **inversions** of triads. These are produced by using the three notes of the root position triad in a different order.

In the first inversion of any triad the 3rd will always be heard as the lowest note:



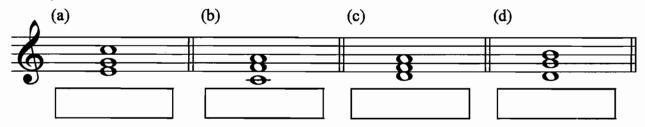
In the **second inversion** of any triad the 5th will always be heard as the lowest note:

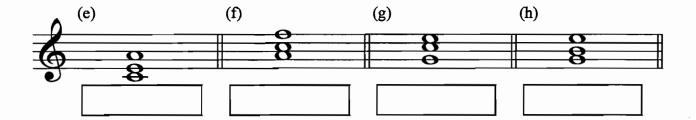




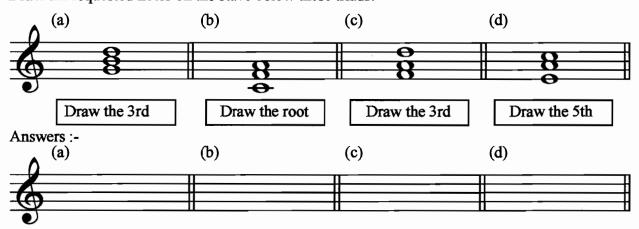
EXERCISE 1 Identifying positions of triads

Are these triads in root position, 1st inversion or 2nd inversion? Write your answer in the box below each triad.



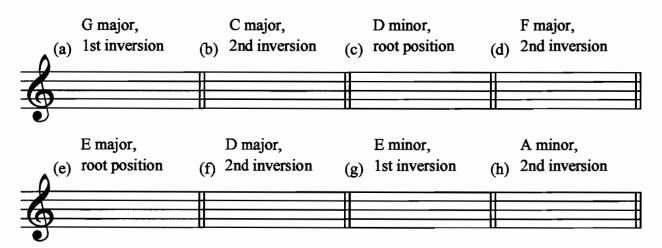


Let's check that you really understand what you've been doing! Draw the requested notes on the stave below these triads:



EXERCISE 3

Now try to write triads in different positions making sure that the lowest note is the root in a root position chord
the 3rd in a 1st inversion chord
the 5th in a 2nd inversion chord



Page 3

Section 2: Forming 4-part chords

In this section we will form 4-part chords by combining the triad in the treble clef with a note added in the bass clef. Different styles of music arrange chords in a variety of ways; we will use a basic arrangement of three notes in the upper stave (treble clef) and one note in the lower stave (bass clef).

To add a note in the bass clef we DOUBLE one of the notes from the TRIAD we wish to use - use the same note twice. The treble clef notes will be in different positions according to our choice of top notes for each chord.

To make a root position chord we use

- · the root of the triad in the bass and
- usually double the root on the upper stave.

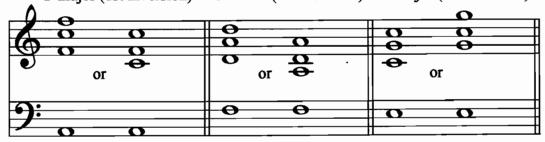
C major (root position) G major (root position) A minor (root position)

or	or	or	or	. 0	01	•	or	
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To make a 1st inversion chord we use

- the 3rd of the triad in the bass and
- double the root or the 5th on the upper stave.

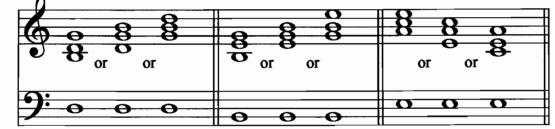
F major (1st inversion) D minor (1st inversion) C major (1st inversion)



To make a 2nd inversion chord we use

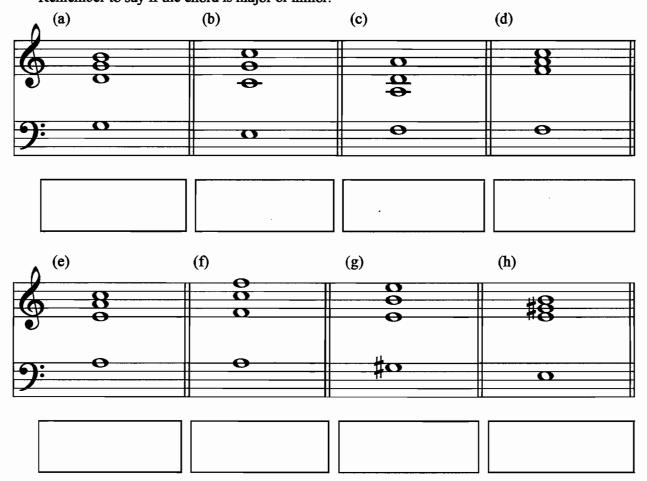
- the 5th of the triad in the bass and
- double the 5th on the upper stave.

G major (2nd inversion) E minor (2nd inversion) A minor (2nd inversion)



Identify the chords below by writing in the box

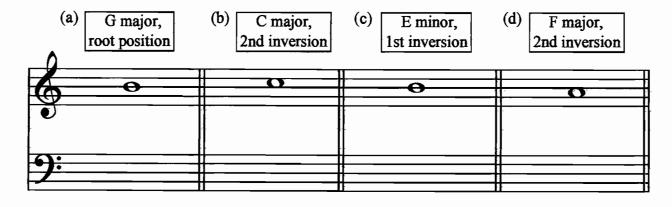
- (i) the chord name and
- (ii) stating if it is root position or 1st inversion or 2nd inversion. Remember to say if the chord is major or minor.

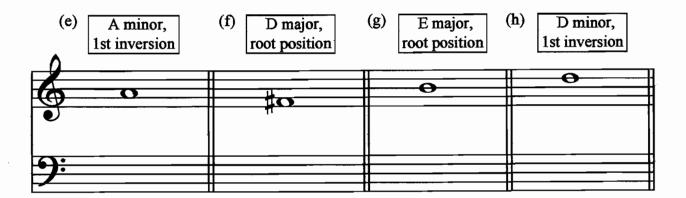


EXERCISE 5

Write the following chords in a similar way to those above by carefully following the instructions given in the boxes.

The highest-sounding note of each chord is given.





When we write chord progressions in phrases of music we have to relate a series of chords to the home key.

- We identify the key signature and try to decide if the music is in a major or minor key.
- We do some simple sums to work out which chords are likely to be used in that key, traditionally using Roman numerals.

I = 1st note in any key II = 2nd note in any key IV = 4th note in any key V = 5th note in any key

VI = 6th note in any key

We refer to a 1st inversion by adding 'b' after the chord.

Ib = 1st inversion of chord I Vb = 1st inversion of chord V

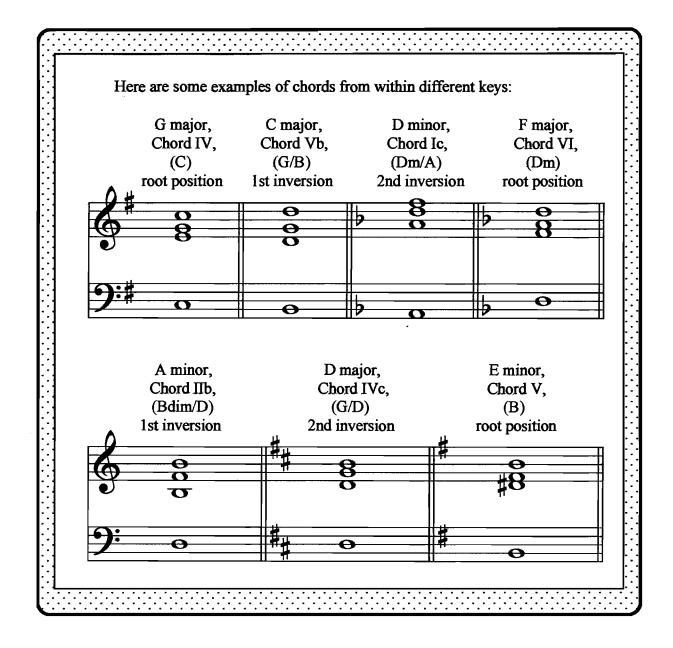
We refer to a 2nd inversion by adding 'c' after the chord.

IVc = 2nd inversion of chord IV Ic = 2nd inversion of chord I

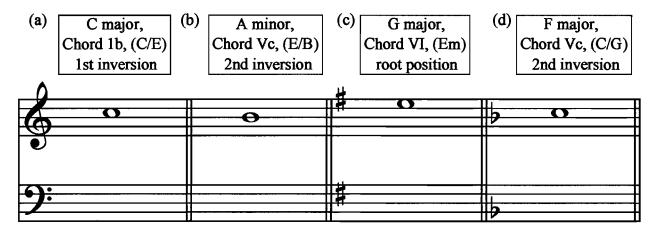
Nowadays we often use the chord name. In an inversion we use a forward slash (/) then the note we want to hear in the bass.

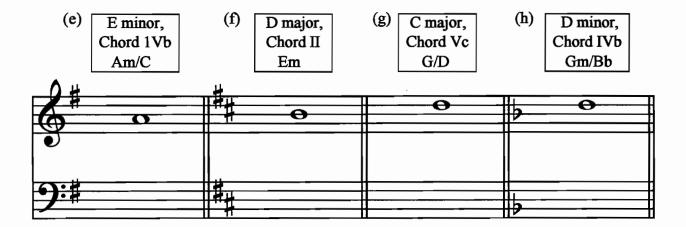
C/E = C major in 1st inversion G/D = G major in 2nd inversion

We choose chords which will create the musical effect we wish when they are played along with the melody.



Write the following chords below the given notes.





To help us think of these chords within phrases of music, identify the following chords by writing the name of the chord below each note - similar to the exercise above but also asking you to think of chords within a musical phrase. Make sure you know the key of each phrase before starting!

Name the chords using either Roman numerals or chord names.



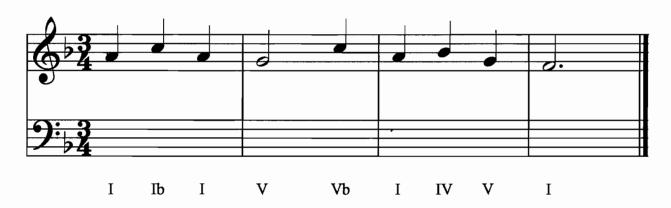


Answers:

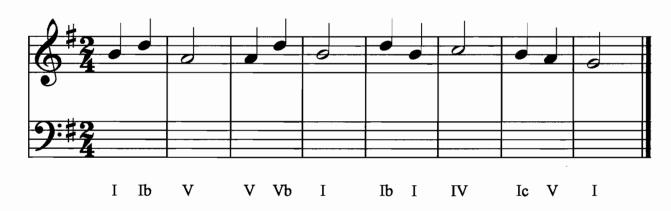
Complete the following phrases using the chords suggested. Remember -

'b' = 1st inversion 'c' = 2nd inversion no letter = root position

(a) The key is _____



(b) The key is _____



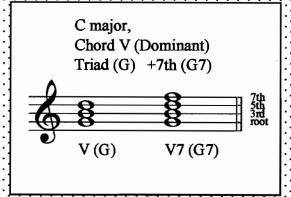
Section 3: New Chords Dominant 7th, Diminished 7th, Added 6th

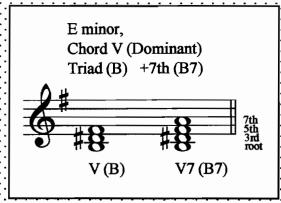
One of the most familiar sounds in harmony is the **dominant 7th**. This chord needs to resolve to another chord in conventional harmony.

It is formed by adding the note which is a 7th above the 5th (dominant) note of any scale.

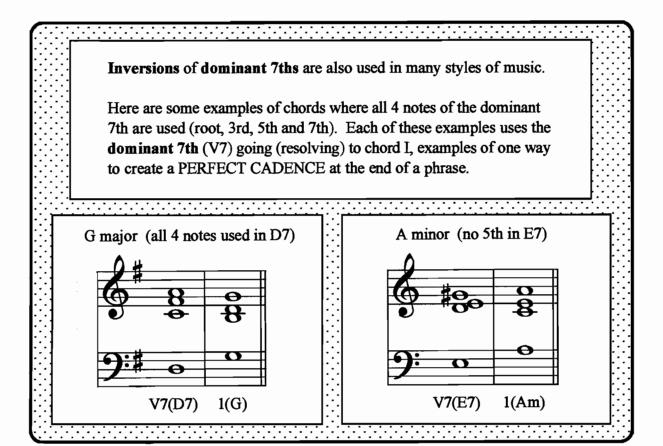
The 7th normally falls to the note below in the following chord.

To form a complete **dominant 7th** chord we will use the 5th (dominant) note of the scale as the root, with the 3rd, 5th and the 7th above it.

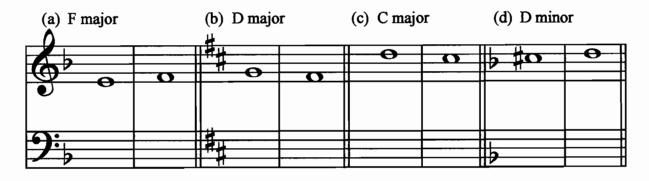


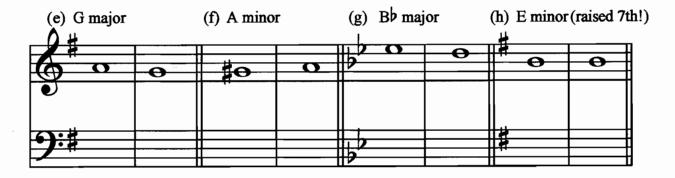


Note that if we double the root and miss out the 5th of the **dominant 7th**, the chord still sounds complete in most circumstances.



Harmonise the following Perfect Cadences using chords V7 to I in each case. (The top note of the chord is given for each chord).

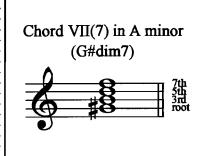


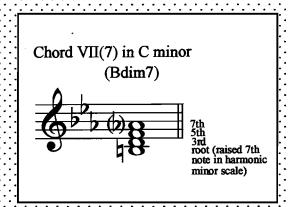


Diminished 7ths add a different feeling to music. They are made up of 3 intervals, each a minor 3rd apart. As in the DOMINANT 7th, the diminished 7th may have one note missing without changing the basic effect of the chord.

This chord is also heard in many styles of music. The most obvious use of the **diminished 7th** chord is when it is used as chord VII (based on the 7th note) in a minor scale with the 7th note of the scale as

the root, then the 3rd, the 5th and the 7th above.

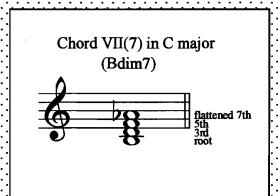


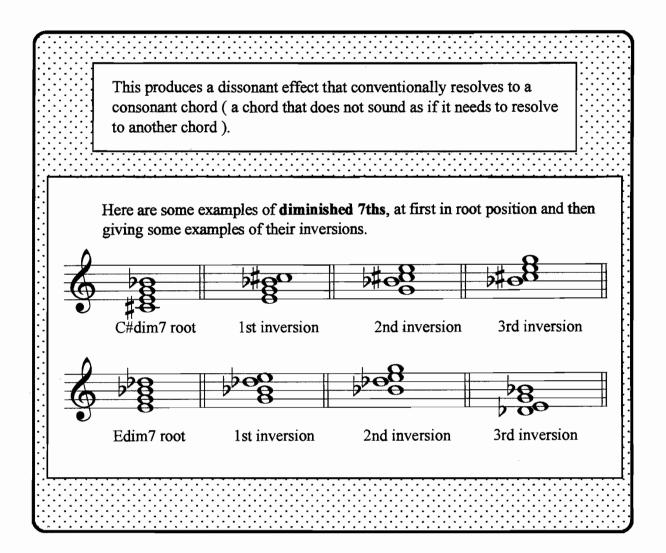


In a major key, the **diminished 7th** can again be based on the 7th note, but in this case the Chord VII7 will consist of:

the root (7th note of the scale), the 3rd, the 5th and flattened 7th above.





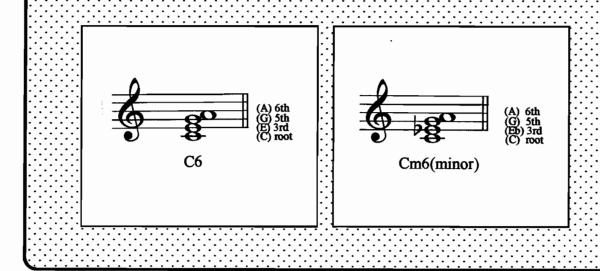


Write the following Diminished 7th chords on the treble stave in root position:

(a)	D minor, Chord VII7 (C#dim7)	(b) Ch	Bb major, nord VII7 (Adim7)	(c)	E minor, Chord VII7 (D#dim7)
Δ.					
(A)				- 11	

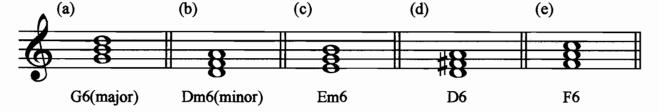
The **added 6th** forms a chord that came into use during the first half of the 20th century. It is heard in Jazz styles and particularly in the music of the Big Band or Swing era.

To form a 6th chord, start with any major or minor triad and add the 6th note above the root. But there is a strange feature of this device to be noted: you always add the note that is a MAJOR 6th above the root in both major and minor versions. The major or minor sound in the chord comes from what is in the triad below the 6th!



EXERCISE 11

Add a 6th to these triads to make their sound fit the description below each of them.



Section 4: Chords in Cadences

Perfect Cadence

We've already worked on **perfect cadences** when we used the Dominant 7th chord as part of a Perfect Cadence. We hear the sounds of these cadences in many styles of music we listen to. We play these cadences in many of the pieces we perform.

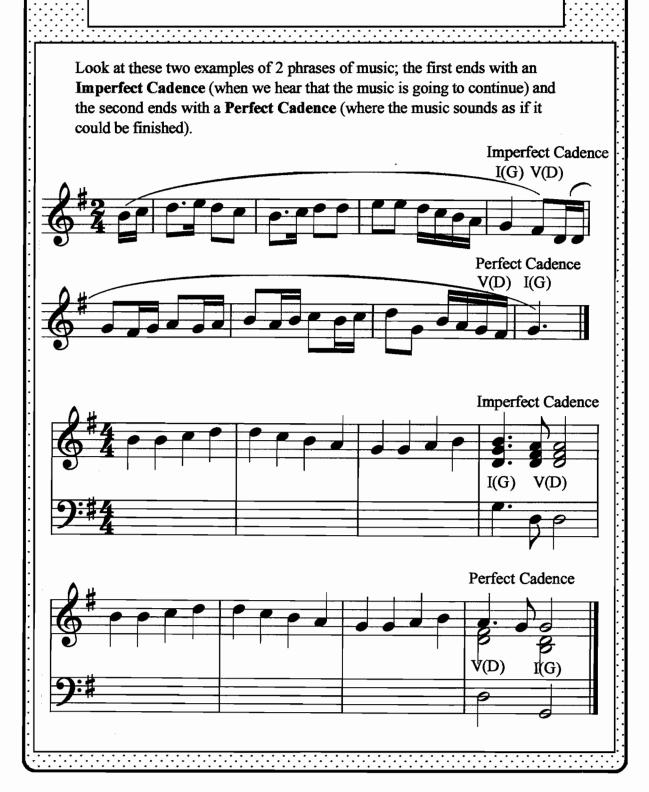
Cadences

Here are the cadences we're most likely to find, for example in C major or A minor:

	Chords	In C major	In A minor
Perfect Cadence	V(7) to I	G(7) to C	E(7) to Am
Imperfect cadence	I to V or II to V	C to G Dm to G	Am to E
Plagal Cadence [Or Tierce de Picardie	IV to I	F to C	Dm to Am Dm to A(major)]
Interrupted Cadence	V(7) to VI <i>V(7) to IV</i>	G(7) to Am G(7) to F	E(7) to F E(7) to Dm]

Imperfect Cadence

Imperfect cadences - sometimes called a 'half-close' - always use chord V as the final chord of the phrase with chord I or II before it.



Write chord symbols (Roman numerals or chord names) above the cadences in these lines of music to identify an Imperfect Cadence or Perfect Cadence.



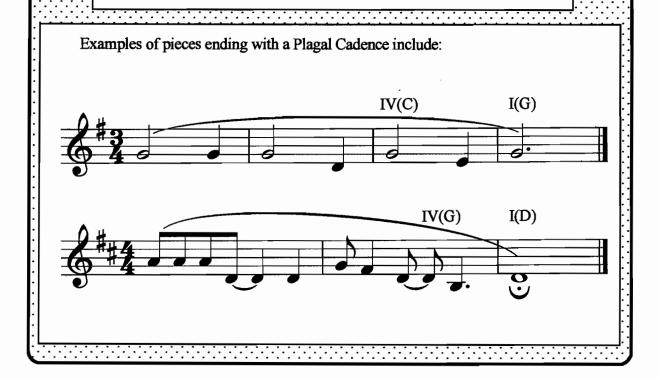
EXERCISE 13

Now write all the notes of each chord used in the cadences in these phrases, ending the first phrase with an Imperfect Cadence and ending the second phrase with a Perfect Cadence.



Plagal Cadence

Plagal cadences are used where the last two chords of the phrase should be harmonised by using the **chord IV** going to **chord I**, creating a cadence that could be the end of a piece or section but where the chords V to I (a Perfect Cadence) would **not** be the correct sound for the end of the given melody. The majority of final cadences in most musical styles are Perfect Cadences.



EXERCISE 14

Which chords would make these phrases end with Plagal Cadences? Write the correct names above the last two chords in each phrase.



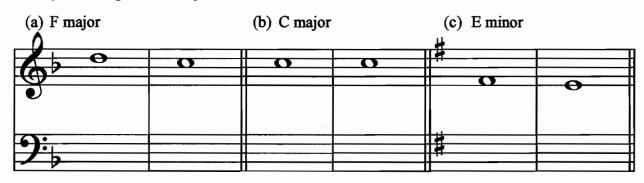
Each of these phrases ends with a PERFECT or a PLAGAL Cadence.

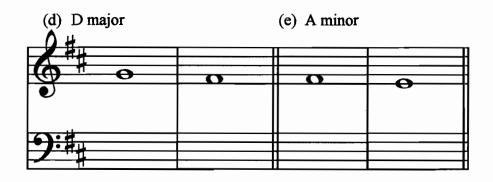
Decide which cadence should be at the end of each phrase and write the appropriate chord names in the correct places.



EXERCISE 16

Complete 4-part chords to make PERFECT or PLAGAL cadences, according to the key and the given melody notes.





Interrupted Cadence

An interrupted cadence is a dominant chord (V or V7) followed by any chord except the tonic (I) where you expect to hear chord V going to chord I - a Perfect Cadence.

Here are two examples. Try playing them as they are written (V - VI) then play the same phrases again but play chord I under the last note (V - I).

(G major)

V7(C7)

VI(Dm)

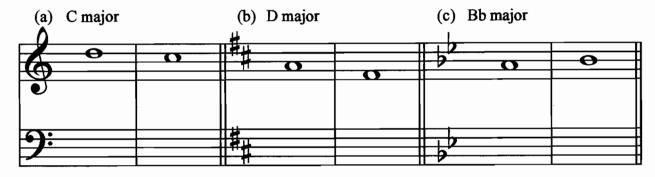
(F major)

V7(C7)

VI(Dm)

EXERCISE 17

Complete 4-part chords to make INTERRUPTED cadences, according to the key and the given melody notes.



Play through this melody and create an INTERRUPTED CADENCE followed by a PERFECT CADENCE by writing the chord names above the last 2 notes of each phrase.



EXERCISE 19

Complete 4-part chords below the last 2 notes of each phrase to create an INTERRUPTED cadence followed by a PERFECT cadence.





Section 5: Syncopated Rhythms and Ties

Many styles of music have a regular pulse for almost the entire performance. Some pieces use Rubato, Rallentando and other changes in the speed of the pulse to add character and variation to the music.

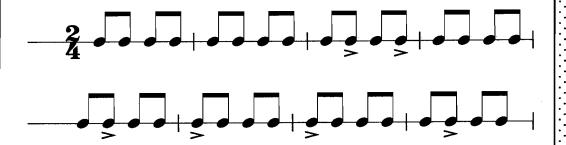
Much of the music we hear is built on regular bar lengths with a feeling of 2, 3 or 4 beats in each bar. In each of these conventional patterns the performer thinks of the first beat as being slightly more stressed than the others; in 4/4 time the first beat is given more stress and the third beat is also stressed.

Syncopation is the concept used to describe music where the stress is shifted from the normal, conventional place in a bar by accenting or emphasising a beat or part of a beat that is not normally stressed. This idea has ben used in various styles of music for centuries but it has become a vital part of most popular styles in the 20th century.

Ragtime, Blues then Jazz developed **syncopation** as an important feature which was later used by Pop and Rock groups and in many more serious styles of music. **Syncopation** can make music sound exciting, surprising,uncertain or simply jazzy! You can clearly feel the effect of **syncopation** if you tap a steady beat while listening to a piano rag or a swing band.

Examples of syncopation

Accented rhythm used by Stravinsky in the First Part of "The Adoration Of The Earth" from his ballet, The Rite of Spring:





Re-write the following phrase and add your own choice of syncopated rhythms using the ideas demonstrated above.



Write your syncopated version here:





Write your syncopated version here:



EXERCISE 21

Write a syncopated right hand melody in the style of a piano rag above the given left hand notes.



EXERCISE 22

Compose answering phrases to each of the given openings.

Use ties and syncopation in your answers.

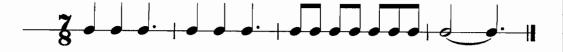


Section 6: 5/4 Time Signatures

Composers have chosen to experiment with different time signatures over the past few centuries, not always wishing to follow the conventional feeling of 2, 3 or 4 beats in each bar. The interest in folk music by composers such as Bartok has given listeners an insight into some of the complexities of dance rhythms which are used in central European countries.



Tourists visiting Greece and Turkey may hear dances written in irregular time signatures such as:

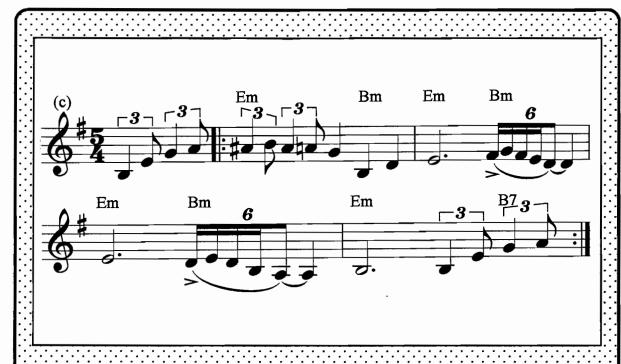


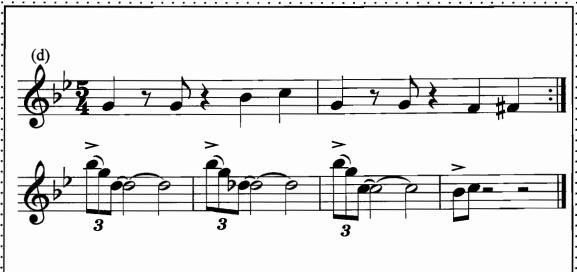
Several well-known composers have made use of 5/4 - 5 crotchets in each bar (3 + 2 or 2 + 3 or a mixture of both from one bar to another).

Tchaikovsky: Symphony No. 6 in B minor, Op. 74 (Pathétique), Second Movement









Other popular examples of 5/4 can be heard in music from films such as "Lord Of The Rings" and "Titanic". Popular musicians have also written pieces using 5 beats in the bar - Sting's "Seven Days", "Face Dances Part Two" by Pete Townshend and "Living In The Past" by Jethro Tull. Composers for Wind Bands and Brass bands such as Geoffrey Burgon have created rhythmically complex 5/4 pieces.

The effects produced can by quite unsettling, add tension within the music or create a sense of relentless movement.

In each of the following bars, add ONE rest at the places asterisked to complete the bar.



EXERCISE 24

Compose answers to the following opening phrases.

