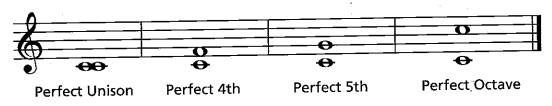
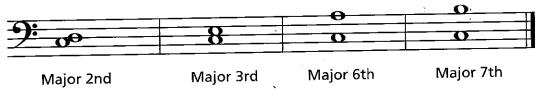
The interval between the keynote of a major scale and the unison, 4th, 5th or octave of that scale is called a PERFECT INTERVAL.

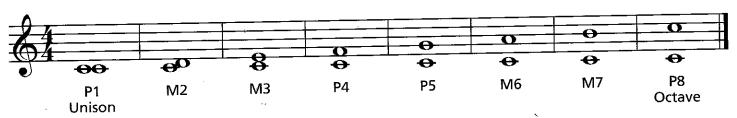


The interval between the keynote of a major scale and the 2nd, 3rd, 6th or 7th of that scale is called a MAJOR INTERVAL.



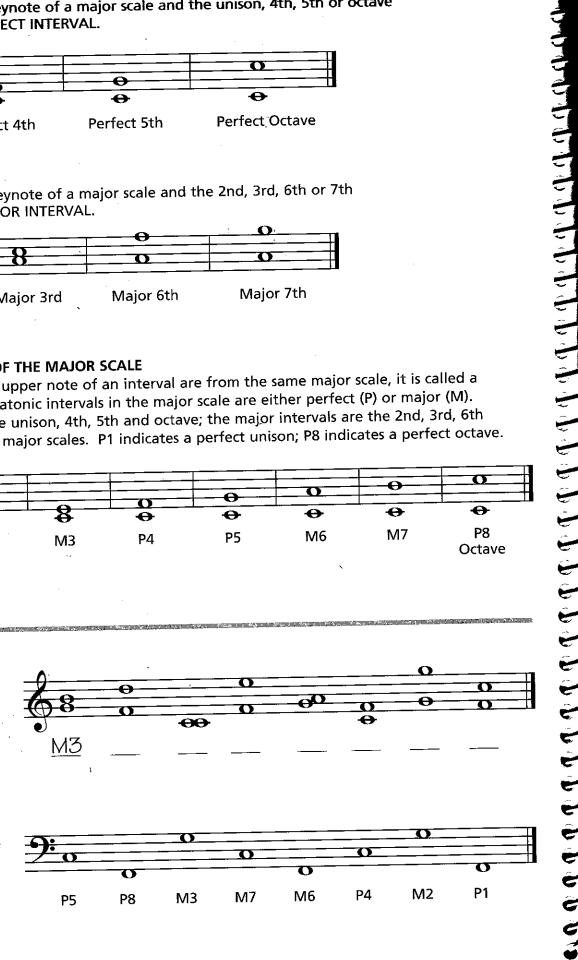
THE DIATONIC INTERVALS OF THE MAJOR SCALE

When the keynote and the upper note of an interval are from the same major scale, it is called a DIATONIC INTERVAL. All diatonic intervals in the major scale are either perfect (P) or major (M). The perfect intervals are the unison, 4th, 5th and octave; the major intervals are the 2nd, 3rd, 6th and 7th. This is true for all major scales. P1 indicates a perfect unison; P8 indicates a perfect octave.

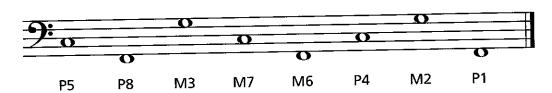


Exercises

Name the harmonic 1 intervals and indicate whether they are perfect or major.



Write the note above the given note to complete the harmonic interval.



Minor Intervals

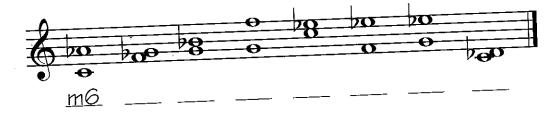
When the interval between the two notes of a major interval (2nd, 3rd, 6th or 7th) is decreased by a half step they become MINOR INTERVALS. For example, a major 3rd (M3) becomes a minor 3rd (m3) when decreased by a half step. A small letter "m" is used to signify a minor interval. Only major intervals may be made into minor intervals—perfect intervals may not.

How major intervals may be changed to minor intervals:

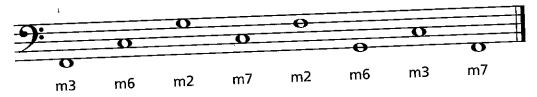


Exercises

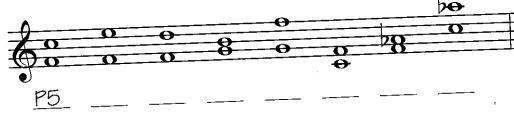
Name the intervals.



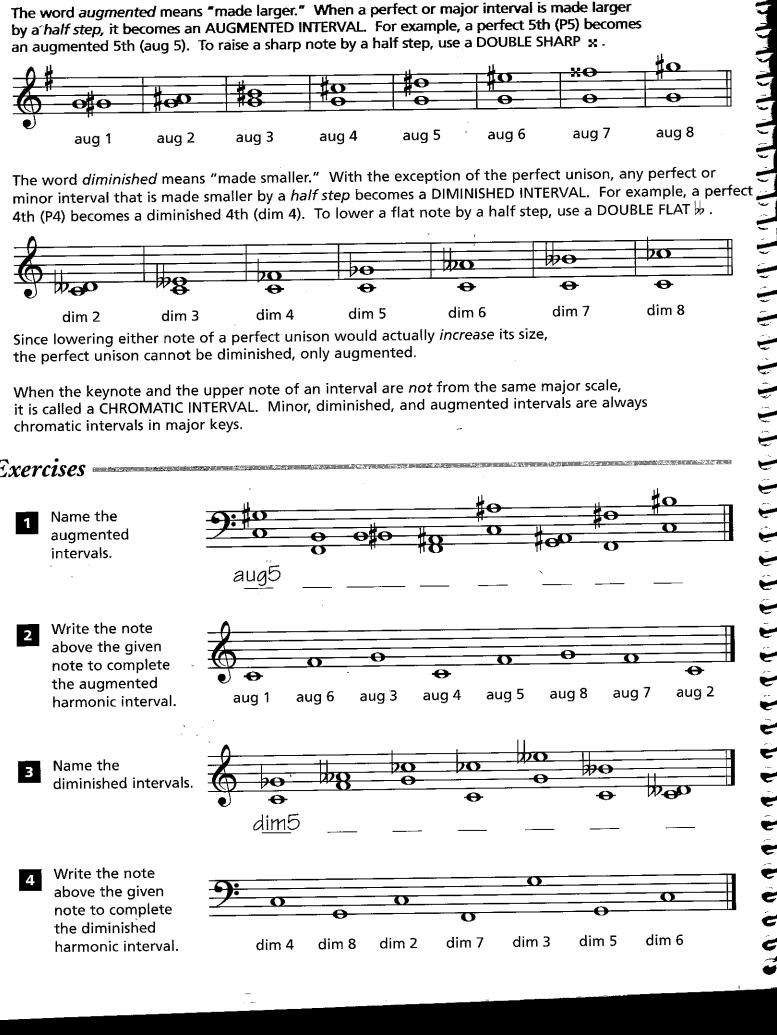
Write the note above the given note to complete the harmonic interval.



Name the intervals, indicating whether they are perfect (P), major (M) or minor (m).



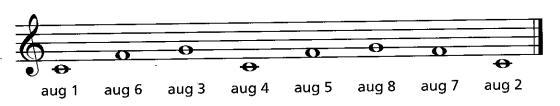
The word augmented means "made larger." When a perfect or major interval is made larger by a half step, it becomes an AUGMENTED INTERVAL. For example, a perfect 5th (P5) becomes



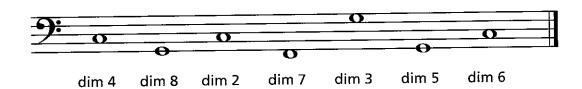


Exercises =



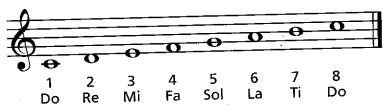




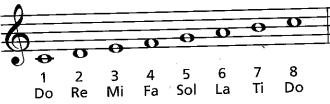


Solfège and Transposition

SOLFÈGE is a system of reading notes by assigning a different syllable to each note. The following syllables are used for all major scales as they relate to the scale degrees:



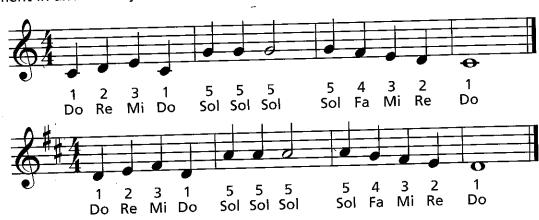
MOVEABLE DO means that the syllables apply to the same scale degrees, regardless of what key you are in. For example, in the key of C, the keynote C is called "Do". In the key of F, the keynote F is also called "Do".



8 7 5 6 2 3 4 1 Ti Do Sol La Mi Fa Do Re

When a melody is rewritten with the exact same sequence of notes and intervals into another key, it is called TRANSPOSITION. This raises or lowers the notes to make a melody easier to sing or play, or so it can be played by an instrument in another key.

The easiest way to transpose is by interval. For example, if a melody is in the key of C and you want to transpose it to the key of D, then you would rewrite all notes a major 2nd higher.



Exercises =

りゅうりゅうりゅうりゅうりゅうしゅつつ

Write the syllable names under the notes of the following melody.



Add solfège syllables, then transpose the following melody up a major 2nd adding solfège syllables. Add the new key signature.

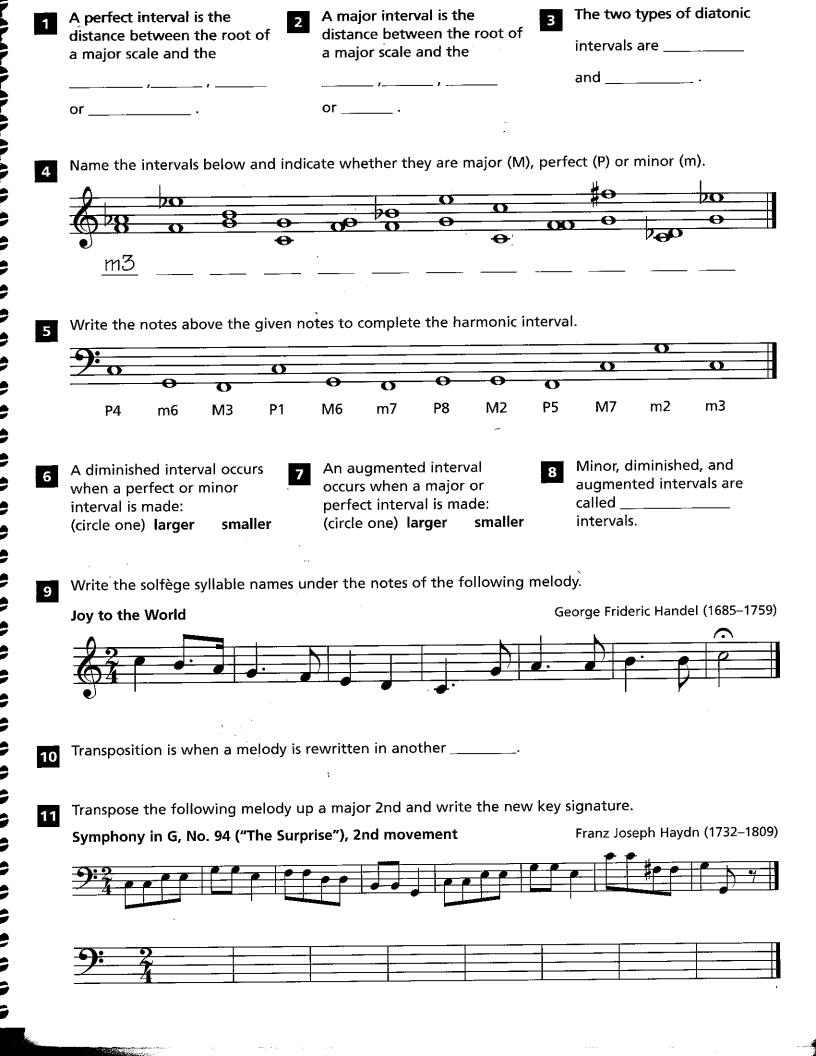




Add solfège syllables, then transpose the following melody down a major 2nd adding solfège syllables. Add the new key signature.







1 i mms

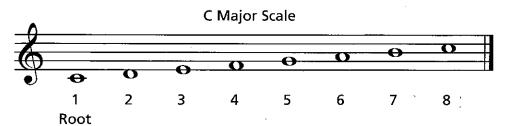
When three or more notes are sounded together, the combination is called a CHORD. When a 3-note chord consists of a ROOT, a 3rd and a 5th, it is called a TRIAD.

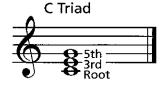


Sth 3rd Root

The root is the note from which the triad gets its name.

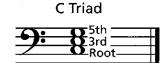
To build a triad, measure the 3rd and the 5th upward from the root.

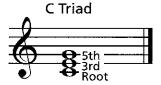




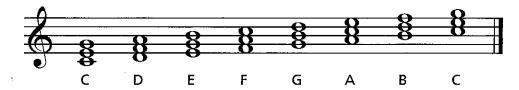
The root of a C triad is C. When a triad is in ROOT POSITION, it will include every other note (C-E-G, D-F-A, E-G-B, etc.).

All the notes will be on lines or all the notes will be in spaces.





Triads may be built on any note of the scale. In the C major scale, the root position triads are:



Exercises =

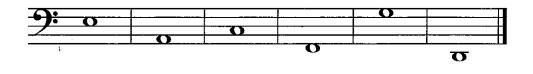
Build triads using each of the following *line* notes as the root.

Name the root note.



Build triads using each of the following space notes as the root.

Name the root note.



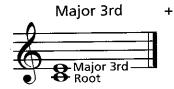
Add two notes (above or below) to create a triad in root position from the given 3rd or 5th. Name the root note.

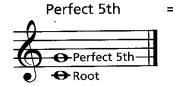
						المرا	F±L.
		— 5th —		O −3rd —		O SIU	O Stil
		3 an	_	31 0	5+h		i
5th			3rd		oui -		Î
	3rd						
	3ru —				•		

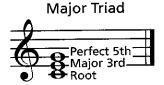
Primary and Major Triads

The most important triads of a key are built on the 1st, 4th and 5th scale degrees of the major scale. They are called the PRIMARY TRIADS or PRIMARY CHORDS of the key and are identified by the ROMAN NUMERALS I (1), IV (4) and V (5). These three triads contain every tone in the major scale.

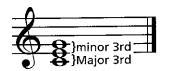
The primary triads are MAJOR TRIADS because they consist of the root, a major 3rd and a perfect 5th (see page 56).







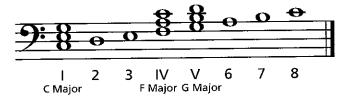
- There are two other ways of forming a major triad: 1. select the 1st, 3rd and 5th notes of a major scale.
 - 2. add the interval of a minor 3rd (see page 57) on top of a major 3rd.

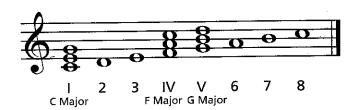


In the key of C major, the

- I triad (or chord) is the C triad (C-E-G).
- IV triad (or chord) is the F triad (F-A-C).
- V triad (or chord) is the G triad (G-B-D).

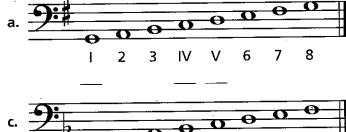
The primary triads in the key of C major:



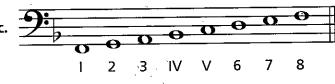


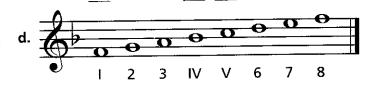
Exercises

Build the primary triads in root position for each scale by adding two notes to the 1st, 4th and 5th notes of each scale to complete the triad. Name each triad.

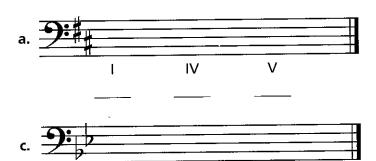




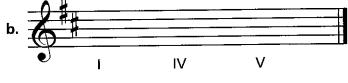


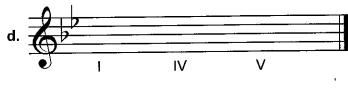


Write the primary triads in root position for each key. Name each triad.



IV





Scale Degree Names .

Each tone of a scale can be identified by a name as well as by a **numbered** scale degree (see page 43). The most important scale degrees are the same as those on which the primary chords are built: 1, 4 and 5. The three most important scale degree names are the Tonic (I), Subdominant (IV) and Dominant (V).

TONIC (I)

The keynote of a scale is called the TONIC. It is the lowest and highest tone of the scale. Since the tonic is the 1st scale degree, it is given the Roman numeral I. In C major, C is the tonic note or chord.

DOMINANT (V) and SUBDOMINANT (IV)

The tone a 5th **above** the tonic is called the DOMINANT. Since the dominant is the **5th** scale degree, it is given the Roman numeral **V**. In C major, G is the dominant note or chord.

The tone a 5th **below** the tonic is called the SUBDOMINANT. Since the subdominant is the **4th** scale degree, it is given the Roman numeral **IV**. In C major, F is the subdominant note or chord. The prefix "sub" means under or below.

Important!

The names of scale degrees were derived from an arrangement in which the tonic was the central tone. The subdominant was given its name because it is the same distance **below** the tonic as the dominant is **above** the tonic. It is not called subdominant because it is just below the dominant. See bottom staff.

MEDIANT (iii) and SUBMEDIANT (vi)*

The tone a 3rd degree **above** the tonic (midway between the tonic and the dominant) is called the MEDIANT (a Latin word meaning "in the middle"). Since the mediant is the **3rd** scale degree, it is given the Roman numeral iii. In C major, E is the mediant note or chord.

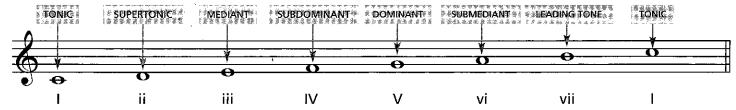
The tone a 3rd degree **below** the tonic (midway between the tonic and the subdominant) is called the SUBMEDIANT. Since the submediant is the **6th** scale degree, it is given the Roman numeral **vi**. In C major, A is the submediant note or chord.

SUPERTONIC (ii) and LEADING TONE (vii)

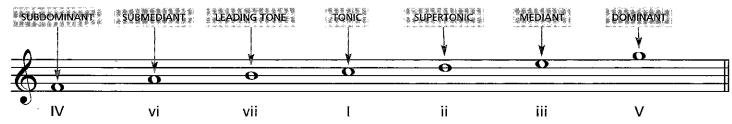
The tone a 2nd degree **above** the tonic is called the SUPERTONIC. Since the supertonic is the **2nd** scale degree, it is given the Roman numeral **ii**. In C major, D is the supertonic note or chord. The prefix "super" means over or above.

The tone a 2nd degree **below** the tonic is called the LEADING TONE - sometimes called the SUBTONIC. Leading tone is most often used since the note has a strong tendency to "lead" to the tonic, as it does in an ascending scale. Since the leading tone is the **7th** scale degree, it is given the Roman numeral **vii**. In C major, B is the leading tone or chord.

In scale degree order, the name and Roman numeral of each scale tone is:



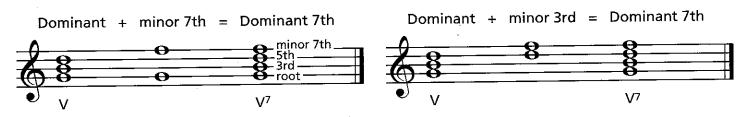
With the tonic being the central tone, the name and Roman numeral of each scale tone is:



^{*}The reason for upper and lower case Roman numerals is explained in Unit 14, Lesson 58.

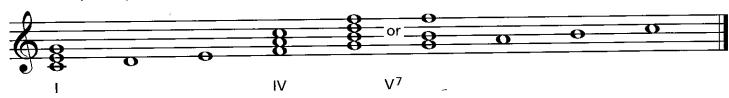
The V7 (Dominant 7th) Chord -

In many pieces, a V7 (dominant 7th) chord is used instead of a V (dominant) triad. To build a V^7 chord, add a minor 7th above the root of the V triad (or a minor 3rd above the 5th). The V^7 is a chord and not a triad because it has 4 notes rather than 3.



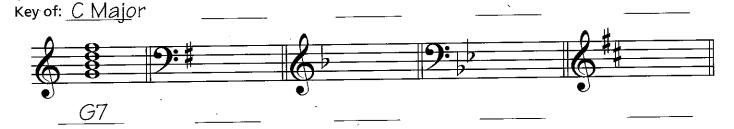
Often, the 5th of the V^7 chord is omitted. The V^7 chord then would have the same number of tones as the I and IV chords while still retaining the quality of a 7th chord. This also allows the music to be sung or performed by as few as three singers or instrumentalists.

The three primary chords are now I, IV and V7.

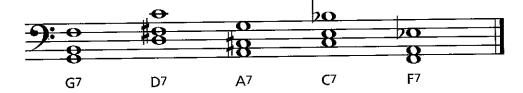


Exercises ==

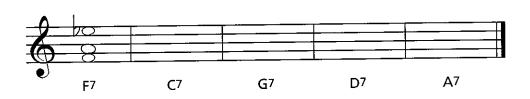
Write the V^7 chord for each key. Write the key name and letter name of each chord.



Fill in the missing notes in the following V⁷ chords. Which interval did you add?



Write the following V7 chords with the 5th omitted—include the accidentals.



1	A chord consists of or more notes	If the 3rd of a triad is B, the root is the note	In a major key, primary triads are always
	sounded together.	Primary triads are built on the following notes of the	triads. Another way to form a
2	A triad consists of a root,	scale: (circle one)	major triad is by adding
	a and a	a. I, II, V b. I, IV, VI c. I, IV, V d. II, IV, VI	the interval of a
3	If the root of a triad is D,	A major 3rd + a	on top of the interval of a
	the 5th is the note	= a major triad.	·
9	Write the primary triads in the ke	ys of C and G major.	
	0		
		7 **	
	I IV V	1	IV V
10	Write the primary triads in the ke	ys of F and D major.	
	(b)		
	I IV \	l I	IV V
11	chord.	A II chord is also called the chord.	A VI chord is also called the chord.
12	A V chord is also called the chord.	A III chord is also called the chord.	A VII chord is also called the chord.
13	A IV chord is also called the chord.		
18	Write the following V ⁷ chords. Include the accidentals.	G7 C7 D7 F7	A ⁷