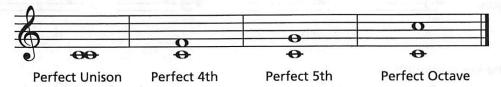
Perfect and Major Intervals

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

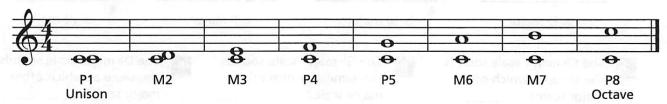


The interval between the keynote of a major scale and the 2nd, 3rd, 6th or 7th of that scale is called a MAJOR INTERVAL.



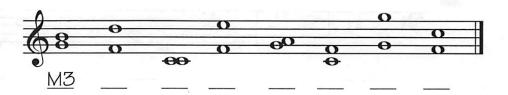
THE DIATONIC INTERVALS OF THE MAJOR SCALE

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 intervals and indicate whether they are perfect or major.



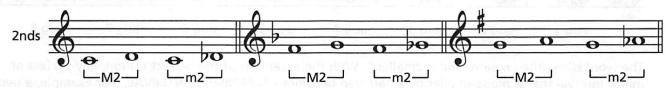
Write the note above the given note to complete the harmonic interval.

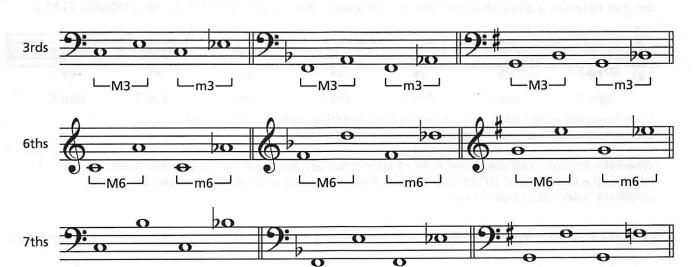
•		0				0	
0			0		0		
	O		,	O			0
P5	P8	M3	M7	M6	P4	M2	P1

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:

<u></u>т7—





<u></u>М7—

Exercises

1 Name the intervals.

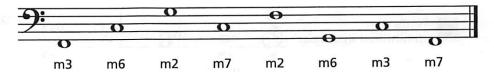


-m7—

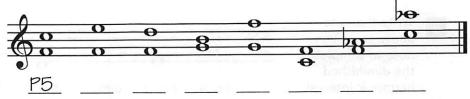
-M7—

_m7—

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).



Augmented and Diminished Intervals

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 an augmented 5th (aug 5). To raise a sharp note by a half step, use a DOUBLE SHARP *.



The word diminished means "made smaller." With the exception of the perfect unison, any perfect or minor interval that is made smaller by a half step becomes a DIMINISHED INTERVAL. For example, a perfect 4th (P4) becomes a diminished 4th (dim 4). To lower a flat note by a half step, use a DOUBLE FLAT \d .



Since lowering either note of a perfect unison would actually *increase* its size, the perfect unison cannot be diminished, only augmented.

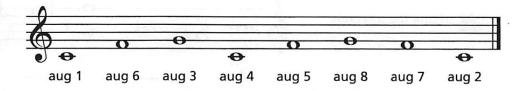
When the keynote and the upper note of an interval are *not* from the same major scale, it is called a CHROMATIC INTERVAL. Minor, diminished, and augmented intervals are always chromatic intervals in major keys.

Exercises

Name the augmented intervals.



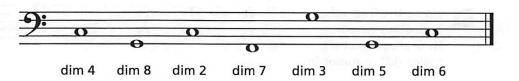
Write the note above the given note to complete the augmented harmonic interval.



Name the diminished intervals.

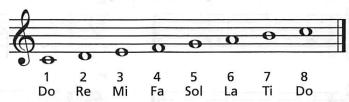


Write the note above the given note to complete the diminished harmonic interval.

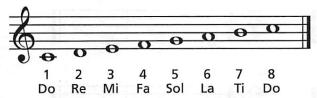


Solfège and Transposition

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:



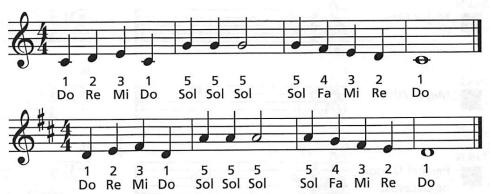
MOVEABLE DO means that the syllables apply to the same scale degrees, regardless of what key you are in. For example, in the key of C, the keynote C is called "Do". In the key of F, the keynote F is also called "Do".





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 -

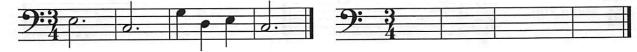
Write the syllable names under the notes of the following melody.



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

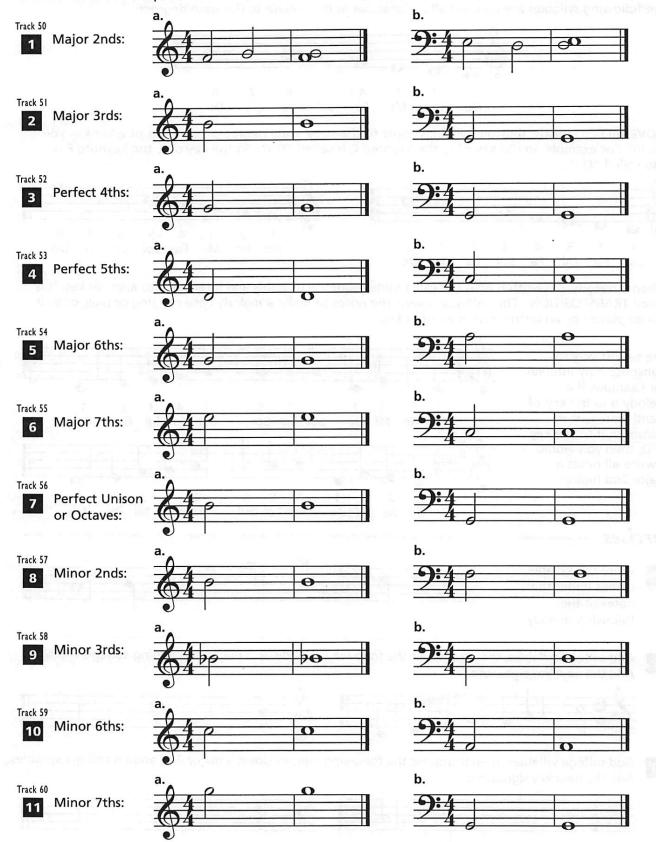


Add solfège syllables, then transpose the following melody down a major 2nd adding solfège syllables. Add the new key signature.



EAR TRAINING FOR LESSONS 35-38

In the exercises below, you will hear notes *above* or *below* the given notes. For each example, write the note as a melodic half note in the first measure and a harmonic whole note in the second measure. No accidentals are required.



A perfect interval is the distance between the root of a major scale and the

or _

a major scale and the

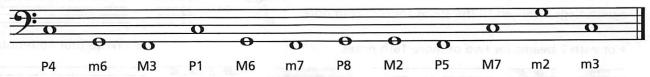
A major interval is the distance between the root of a major scale and the

The two types of diatonic intervals are _____ and ____ .

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



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



- A diminished interval occurs when a perfect or minor interval is made:
 (circle one) larger smaller
- An augmented interval occurs when a major or perfect interval is made: (circle one) larger smaller
- Minor, diminished, and augmented intervals are called _____ intervals.
- Write the solfège syllable names under the notes of the following melody.



- Transposition is when a melody is rewritten in another ______.
- 11 Transpose the following melody up a major 2nd and write the new key signature.

