Unit 1
Practical
Music Theory
and Harmony



Aim A – Examine the signs and symbols used in Music

Notation.P1,P2,M1,D1.

We will do the assignment once we have gone through all the content.

Research the following features, demonstrating and explaining the signs and symbols used in various types of music:

- Rhythm and Pitch in staff notation (this should include clefs, names and values of notes, rests, accidentals, time signatures, key signatures and intervals)
- Rhythm and Pitch in alternative forms of notation (such as tab, drum notation, chord charts, lead sheet, graphic scores and tonic sol-fa)
- How tempo, dynamics and expression can be notated (metronome markings, dynamic markings, articulation and instrumental techniques)

You should include explanations of these features, and also include examples from notation and assess the function of each of them from a practical perspective.

You should also demonstrate links between these symbols and other elements of musical notation. This could be from a comparison of pieces of music written in both traditional notation and alternative methods, or by discussing strengths and weaknesses of different methods.

You must submit

EITHER

• A written presentation on the features listed above (including written and audio examples where appropriate)

OR

 A video presentation on the features listed above (which should include written and audio examples)

	Unit/Criteria reference	To achieve the criteria you must show that you are able to:
	1/A.P1	Explain signs and symbols used to notate pitch and rhythm in different forms of musical notation.
	1/A.P2	Explain tempo, dynamics and expression markings used in musical notation.
\perp	1/A.M1	Analyse signs, symbols and markings used in traditional and alternative forms of musical notation with confidence and accuracy.
	1/A.D1	Assess signs, symbols and markings used in traditional and alternative forms of musical notation with detailed theoretical understanding.

Task 1

Aim A – Check List – A list of everything you need to know for Aim A Assignment

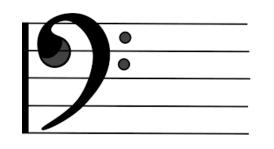
- Interpretation of signs and symbols by selecting and demonstrating examples using pieces of music.
- A1 Rhythm and pitch in staff notation
- Clefs treble, bass. Slide 3 and 4
- Names and positions of notes on the stave, including ledger lines – slide 5 to 10
- Accidentals. Video slide 25 and 26
- Intervals (up to one octave) major, perfect, minor, diminished, augmented.
- Note and rest values (up to hemidemisemiquavers/64th notes). Slides 11 to 14
- Bars and bar lines. Slides 19 an 20
- Time signatures simple, compound, complex. Slides 15 to 18 and 21 to 24

- Key signatures.
- Major Slides 38 to 40
- Minor Slides 41 to 43
- A2 Rhythm and pitch in alternative forms of notation
- Guitar tablature, Tonic sol-fa, Graphic scores, Drum notation, Chord chart, Lead sheet.
- A3 How tempo, dynamics and expression can be notated – slide 27 to 28
- Metronome markings.
- Expressions for tempo and tempo changes.
 Slides 27 and 28
- Expressions for dynamics and dynamic changes. Slide 30 and 31.
- • Articulation markings, 33 to 36

Clefs - Treble and Bass

 Treble and bass clefs help you to work out the notes on a stave.
 Without this the lines and spaces don't make sense.





Task 1 – In pencil please

Please take a photo of your manuscript after each task and send it to me on TEAMS and also save as you will need these for your write up.

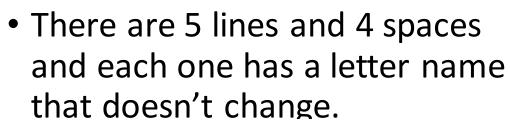
- Draw out 10 Treble clefs in a row on your manuscript.
- Dram out 10 Bass Clefs on your manuscript.
- Manuscript is attached to TEAMS or can be printed from here

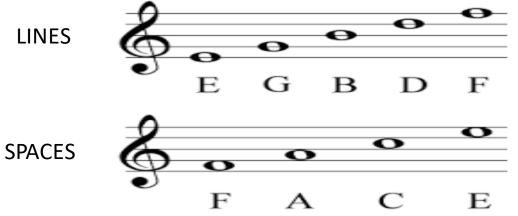
http://www.musictheory.org.uk/pdf/manuscript-10.pdf

5

Names of Notes on a stave – Treble

• A stave is made up of lines and spaces.





Task 2 – In pencil please

Please take a photo of your manuscript after each task and send it to me on TEAMS and also save as you will need these for your write up.

6

 Draw out the diagram of lines and spaces. Make sure they are correctly positioned on a stave.

 Manuscript is attached to TEAMS or can be printed from here

http://www.musictheory.org.uk/pdf/manuscript-10.pdf

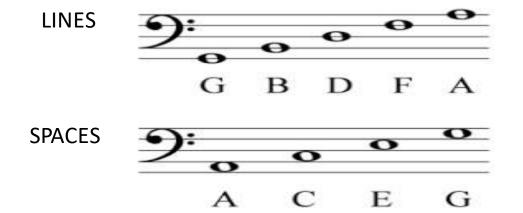
Task 3 – In pencil please

Please take a photo of your manuscript after each task and send it to me on TEAMS and also save as you will need these for your write up.

Names of Notes on a stave – Bass

• A stave is made up of lines and spaces.

 There are 5 lines and 4 spaces and each one has a letter name that doesn't change.

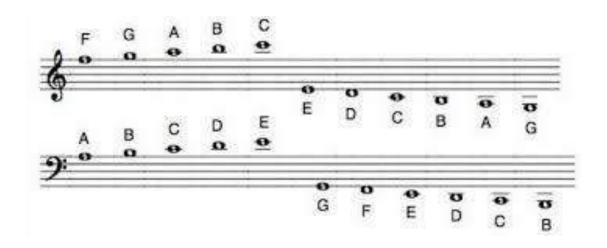


- Draw out the diagram of lines and spaces. Make sure they are correctly positioned on a stave.
- Manuscript is attached to TEAMS or can be printed from here

http://www.musictheory.org.uk/pdf/manuscript-10.pdf

Ledger Lines in both clefs

 Ledger lines are used for really high notes and really low notes that don't fit on a normal stave.



Task 4 – In pencil please

 Draw out the diagram of lines and spaces. Make sure they are correctly positioned on a stave and make sure you have completed both clefs.

 Manuscript is attached to TEAMS or can be printed from here

http://www.musictheory.org.uk/pdf/manuscript-10.pdf

Please take a photo of your manuscript after each task and send it to me on TEAMS and also save as you will need these for your write up.

Note Values and Rests - Normal

 All notes have different lengths of time and so do rests.

ITEM	NOTE	REST	VALUE (number of beats)
Whole note/rest	0	-	4
Half note/rest	J	_	2
Quarter note/rest	J	ş	1
Eighth note/rest	Þ	7	1/2
Sixteenth note/rest	A	7	1/4

Task 5 – In pencil please

Please take a photo of your manuscript after each task and send it to me on TEAMS and also save as you will need these for your write up.

 Draw out the note and rest values on manuscript as you will need them in the next slide.

 Manuscript is attached to TEAMS or can be printed from here

http://www.musictheory.org.uk/pdf/manuscript-10.pdf

Note Values and Rests - Dotted

- All notes have different lengths of time and so do rests.
- A dot adds half the length again of the note or rest that goes before it.

ПЕМ	NOTE	REST	(number of beats)
Dotted whole note/rest	٥٠	-	6
Dotted half note/rest	J.	- ·	3
Dotted quarter note/rest	J.	3 .	1 1/2
Dotted eighth note/rest	J).	7.	3/4
Dotted sixteenth note/rest	.	7 .	3/8

Task 6 – In pencil please

Please take a photo of your manuscript after each task and send it to me on TEAMS and also save as you will need these for your write up.

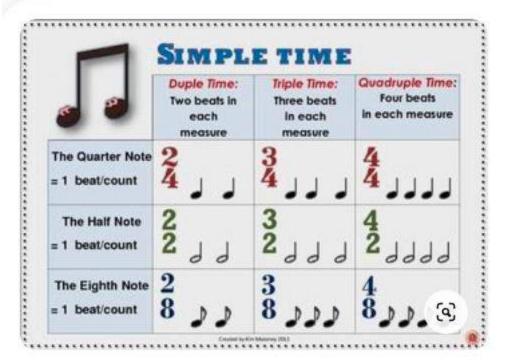
 Draw out the note and rest values on manuscript as you will need them in the next slide.

 Manuscript is attached to TEAMS or can be printed from here

http://www.musictheory.org.uk/pdf/manuscript-10.pdf

Time signatures – Simple

- Time signatures tell us what to count and how many beats we have in each bar.
- The simple time signatures are below.



Task 7 – In pencil please

Please take a photo of your manuscript after each task and send it to me on TEAMS and also save as you will need these for your write up.

 Draw out the time signatures and the correct amount of notes for each.

 Manuscript is attached to TEAMS or can be printed from here

http://www.musictheory.org.uk/pdf/manuscript-10.pdf

Time signatures – Compound

- Time signatures tell us what to count and how many beats we have in each bar.
- The Compound time signatures are below.

Compound Time Signatures

Type Of Beat	Duple Time	Triple Time	Quadruple Time
Dotted Crotchet Beat	6]]	8 1 1 1	12 8
Dotted Minim Beat	6 J. J.	9 J. J. J.	12 4 J.J.J.
Dotted Quaver Beat	6 A A	9 10 1	رررر 12

Task 8 – In pencil please

Please take a photo of your manuscript after each task and send it to me on TEAMS and also save as you will need these for your write up.

 Draw out the time signatures and the correct amount of notes for each.

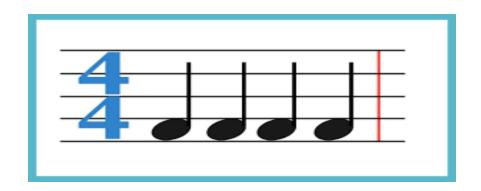
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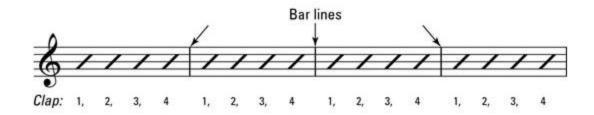
.**7**

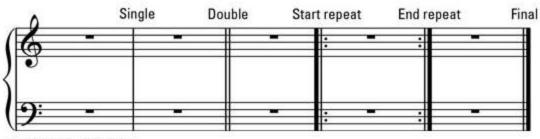
Bars and Bar lines

- Bar lines split the music in to manageable parts based on what the time signature states.
- So in 4/4 a bar would have to have 4 1 beats in a bar and then a bar line.
- See the example below. The bar line is shown in red.



Information – Examples of different Bar lines.

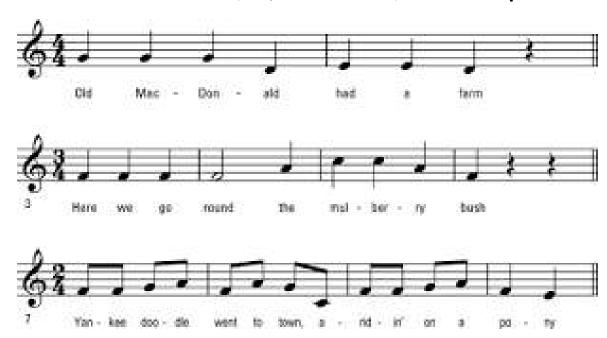




The five types of bar line.

Time signatures – Creating Music

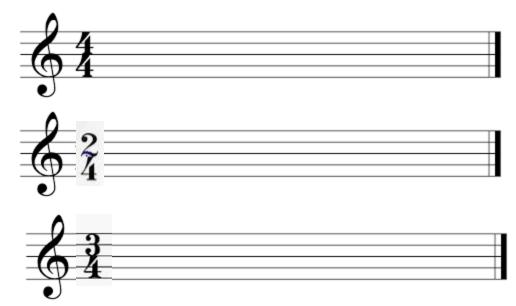
- Below is an example of how music would be written with a time signature and bar line.
- There is a 4/4, ¾ and 2/4 example.



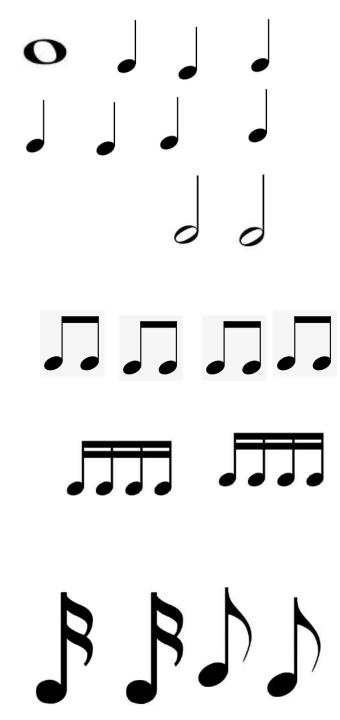
Task 9 – In pencil please

Please take a photo of your manuscript after each task and send it to me on TEAMS and also save as you will need these for your write up.

• Compose two bars of each time signature but do not copy the example. All bars must add up to the correct value.



Video Lesson



Year 13,12 and 11 Creating bars walk through

2020-04-23 12 51 UTC

Julie BROWN

Julie BROWN

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Time signatures – Creating Music

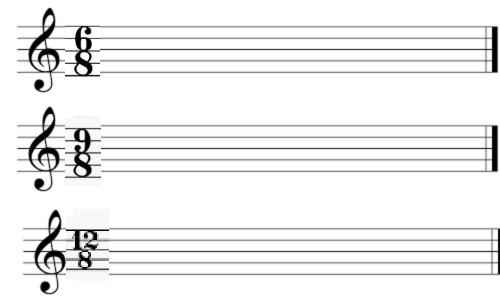
- Below is an example of how music would be written with a time signature and bar line.
- There is a 6/8, 9/8 and 12/8 example.



Task 10 – In pencil please

Please take a photo of your manuscript after each task and send it to me on TEAMS and also save as you will need these for your write up.

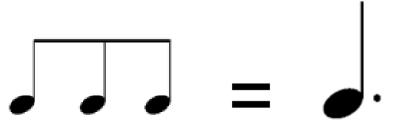
 Compose two bars of each time signature but do not copy the example. All bars must add up to the correct value.



Video Lesson









Year 13,12 and 11 Creating Compound Time Signatures

2020-05-01 10:20 UTC

Photodad III

Julie BROWN

Signification

Julie BROWN

Accidentals

Watch the clip below



Task 11 – on PowerPoint

- Write notes about accidentals as you are watching the video.
- Create a PowerPoint that explains accidentals to someone who has never seen them before.

Expressions for tempo and tempo changes. Tempo markings are always in Italian.



Tempo Markings

Tempo Marking	Definition
Prestissimo	Very Very Fast (>200bpm)
Presto	Very Fast (168-200bpm)
Allegro	Fast (120-168bpm)
Moderato	Moderately (108-120bpm)
Andante	Walking Pace (76-108bpm)
Adagio	Slow and Stately (66-76bpm)
Lento/Largo	Very Slow (40-60bpm)
Grave	Slow and Solemn (20-40bpm)

When you are given work tempo mark like Andante you also get a BPM equivalent which means Beats Per Minute. So Andante on average is 76 – 108 BPM.

Task 12 – see sheet Music

- For each musical example on the next page can you tell me the following:
- 1. What is the tempo marking?
- 2. What does the tempo marking mean?
- Extension
- 1. What are the tempo changes in example 3? Explain.
- 2. What does passionato mean in example 4?

1.

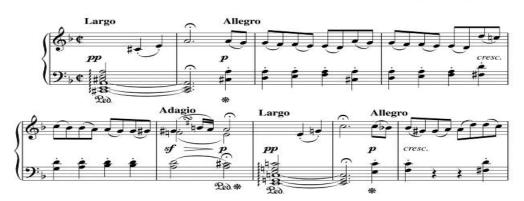


3.

Largo

from Piano Sonata Op.31 No.2 "Tempest"

L. van Beethoven (1770-1827)



2.

4.



Sheet music supplied by: www.music-scores.com

Sonata

2nd Movement

César FRANCK (1822-1880) Arr. A.L.Christopherson



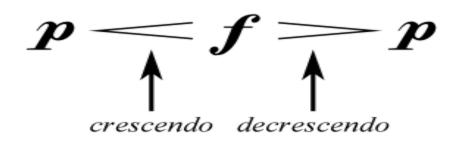
Dynamics means Volume.



Expressions for dynamics and dynamic changes. Dynamics markings are always in Italian.



There are also symbols for dynamics.



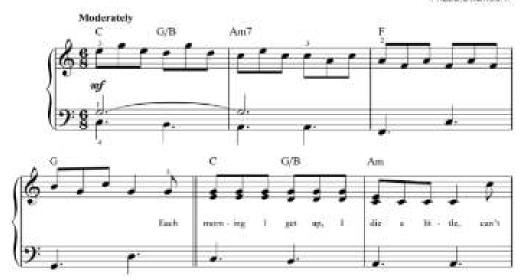
Task 13 – see sheet Music

- Look at the sheet Music on the next slide.
- For each example can you tell me the following:
- 1. What is the dynamic at the start of the piece?
- 2. What does the dynamic symbol mean?
- Extension
- 1. In example what does the dynamic change to?

2

SOMEBODY TO LOVE

Words and Mask by PREDDIE MERCURY





Fly Me To The Moon

Composed by Bart Howard Arranged by Søren Bebe



Jingle Bells

TRADITIONAL arr. A L. Christopherson

Piano

F F F F F E E E E

32

Articulation Marks

Ornaments

Articulation marks are used to add interest to the music. They tell musicians how to play individual notes

Ornaments add flourish to musical notes by changing either the pattern or pitch momentarily.

Task 14 – information



Look at the information on slides 35 and 36 and makes note of each marking and ornament. You will need these for your assignment.

Look at the musical examples on slide 37 and identify all articulation markings and ornaments.

Articulation Marks



Staccato

This indicates the musician should play the note shorter than notated, usually half the value; the rest of the metric value is then silent. Staccato marks may appear on notes of any value, shortening their performed duration without speeding the music itself.



Staccatissimo or Spiccato

Indicates a *longer silence after the note* (as described above), making the note very short. Usually applied to quarter notes or shorter. (In the past, this marking's meaning was more ambiguous: it sometimes was used interchangeably with staccato, and sometimes indicated an accent and not staccato. These usages are now almost defunct, but still appear in some scores.) In string instruments this indicates a bowing technique in which the bow bounces lightly upon the string.



Accent

Play the note louder, or with a harder attack than surrounding unaccented notes. May appear on notes of any duration.



Tenuto

This symbol indicates play the note at its full value, or slightly longer. It can also indicate a degree of emphasis, especially when combined with dynamic markings to indicate a change in loudness, or combined with a staccato dot to indicate a slight detachment (portato or mezzo staccato).



Marcato

Play the note somewhat louder or more forcefully than a note with a regular accent mark (open horizontal wedge). In organ notation, this means play a pedal note with the toe. Above the note, use the right foot, below the note, use the left foot.



Fermata (Pause)

A note, chord, or rest sustained longer than its customary value. Usually appears over all parts at the same metrical location in a piece, to show a halt in tempo. It can be placed above or below the note. The fermata is held for as long as the performer or conductor desires, but is often set as twice the original value of the designated notes.

Ornaments













Trill

A rapid alternation between the specified note and the next higher note (according to key signature) within its duration, also called a "shake". When followed by a wavy horizontal line, this symbol indicates an extended, or running, trill. In modern music the trill begins on the main note and ends with the lower auxiliary note then the main note, which requires a triplet immediately before the turn. In music up to the time of Haydn or Mozart the trill begins on the upper auxiliary note and there is no triplet.^[11] In percussion notation, a trill is sometimes used to indicate a tremolo. In French baroque notation, the trill, or *tremblement*, was notated as a small cross above or beside the note.

Upper mordent

Rapidly play the principal note, the next higher note (according to key signature) then return to the principal note for the remaining duration. In most music, the mordent begins on the auxiliary note, and the alternation between the two notes may be extended. In handbells, this symbol is a "shake" and indicates the rapid shaking of the bells for the duration of the note.

Lower mordent (inverted)

Rapidly play the principal note, the note below it, then return to the principal note for the remaining duration. In much music, the mordent begins on the auxiliary note, and the alternation between the two notes may be extended.

Turn

When placed directly above the note, the turn (also known as a *gruppetto*) indicates a sequence of upper auxiliary note, principal note, lower auxiliary note, and a return to the principal note. When placed to the right of the note, the principal note is played first, followed by the above pattern. Placing a vertical line through the turn symbol or inverting it, it indicates an *inverted turn*, in which the order of the auxiliary notes is reversed.

Appoggiatura

The first half of the principal note's duration has the pitch of the grace note (the first two-thirds if the principal note is a dotted note).

Acciaccatura

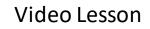
The acciaccatura is of very brief duration, as though brushed on the way to the principal note, which receives virtually all of its notated duration. In percussion notation, the acciaccatura symbol denotes the flam rudiment, the miniature note still positioned behind the main note but on the same line or space of the staff. The flam note is usually played just before the natural durational subdivision the main note is played on, with the timing and duration of the main note remaining unchanged. Also known by the English translation of the Italian term, **crushed note**, and in German as *Zusammenschlag* (simultaneous stroke).

Example 1

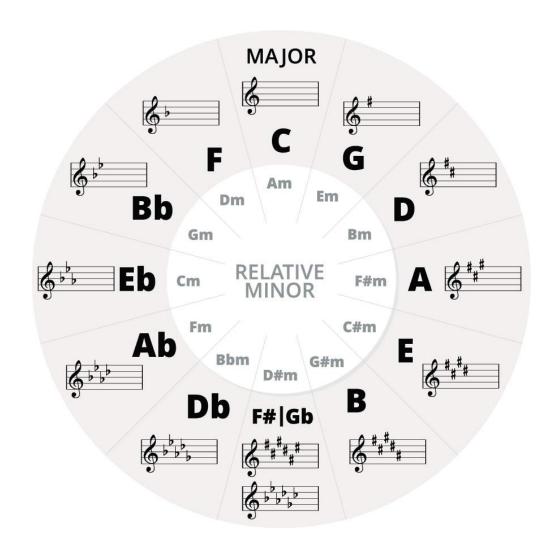


Example 2





Key signatures



Task 15 - information

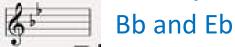


Major keys – use only the sharps or tlats in the key signature.

Example – A Major has 3 sharps



Example - Bb Major has 2 flats



The sharps and flats are always in the same order.

Sharps

F#, C#, G#, D#, A# and E#

<u>Flats</u>

Bb, Eb, Ab, Db, Gb and Cb

Use the circle of 5th's to help you.

Task

- 1. Can you name the key? i.e. F Major
- 2. Can you tell me what sharps or flats are in each piece ?

Example

The piece has 3 b's.

Using my circle of 5th's it shows me it is Eb Major



Flats
Bb, Eb, Ab, Db, Gb and Cb

Using the order of flats Eb major has Bb, Eb and Ab

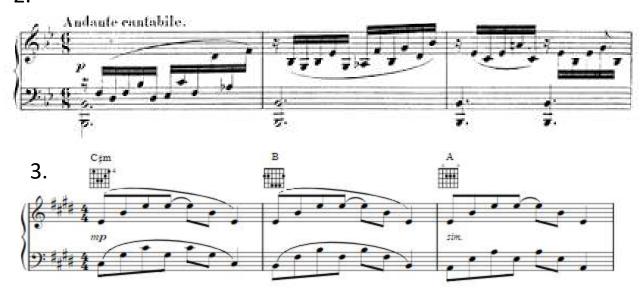
Example



1.



2.



Major Key Signatures

2020-05-01 15:19 LITC

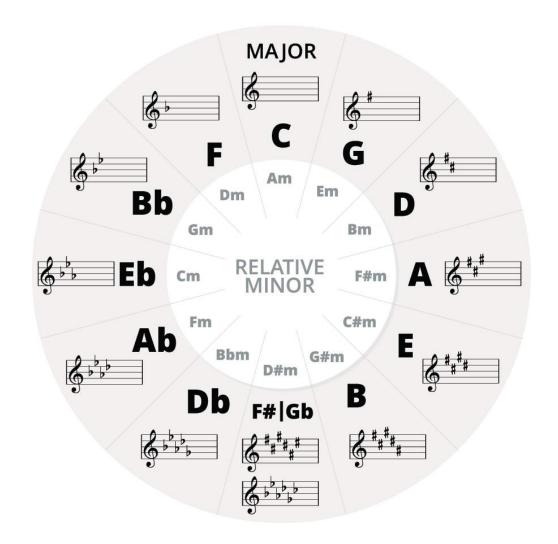
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Julie BROWN

Signification

Julie BROWN

Key signatures



Task 15 – information



The minor keys are found in the centre of the circle.

Minor Keys – use the sharps and flats in the key signature and sharpen the 7th note.

Example – D Major has 2 sharps

it's relative minor B Minor has the same 2 sharps in the key signature and a sharpened 7th A# as an accidental in the music.

1 2 3 4 5 6 7 8 BC# D E F# G A# B

Use the circle of 5th's to help you.

Task

- 1. Can you name the minor key?
- 2. Can you tell me what sharps or flats are in each piece ?
- 3. Can you tell me what the sharpened 7th note is of each example? They have a red ring around them in each example.

Example Explained

The key signature has 3 sharps. Using the circle of 5th's that would mean



That the minor key would be B minor.
To check you have the right minor you must look for the sharp 7th note.
In B Minor this is A#.
The red rings indicate the sharpened note is A#.

Example



L.



2.



3.



Minor Key Signatures

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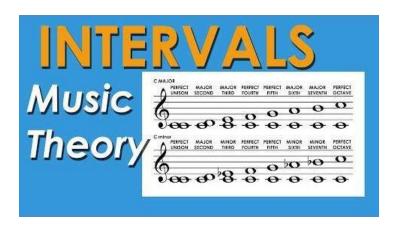
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Julie BROWN

Intervals



Task 16 - information

Watch the video and explain the following in a powerpoint presentation.

What is an interval?

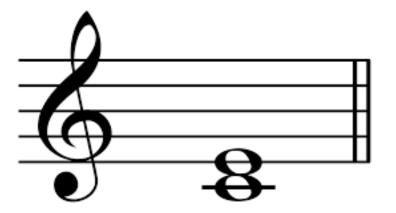
Explain all the different type of intervals?

Can you think of any songs that could help you to remember the intervals?

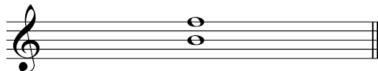
Intervals

3-00	&	€ 18	€ 8
Minor 2nd	Major 2nd	Minor 3rd	Major 3rd
1 Semitones	2 Semitones	3 Semitones	4 Semitones
€.	gio.	80	820
Perfect 4th	Tritone	Perfect 5th	Minor 6th
5 Semitones	6 Semitones	7 Semitones	8 Semitones
60	800	8.	& n
Major 6th	Minor 7th	Major 7th	Perfect Octave
9 Semitones	10 Semitones	11 Semitones	12 Semitones

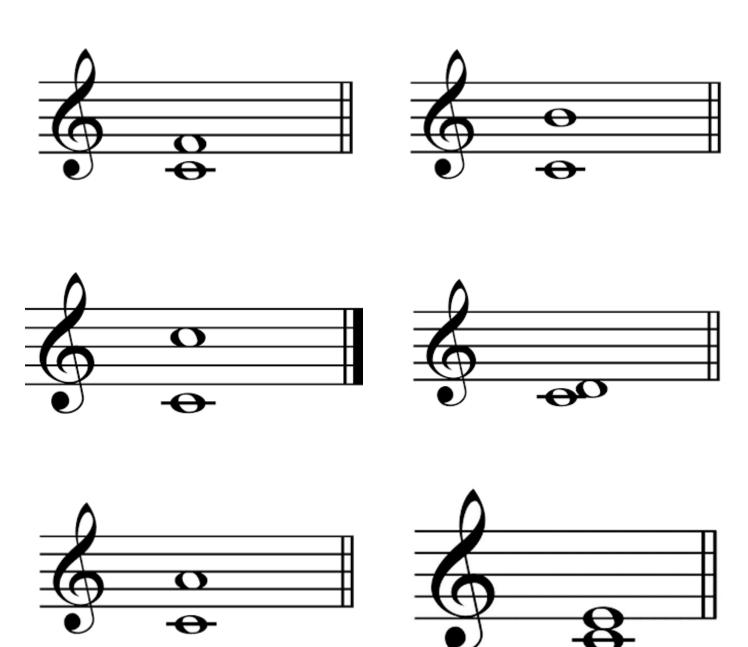




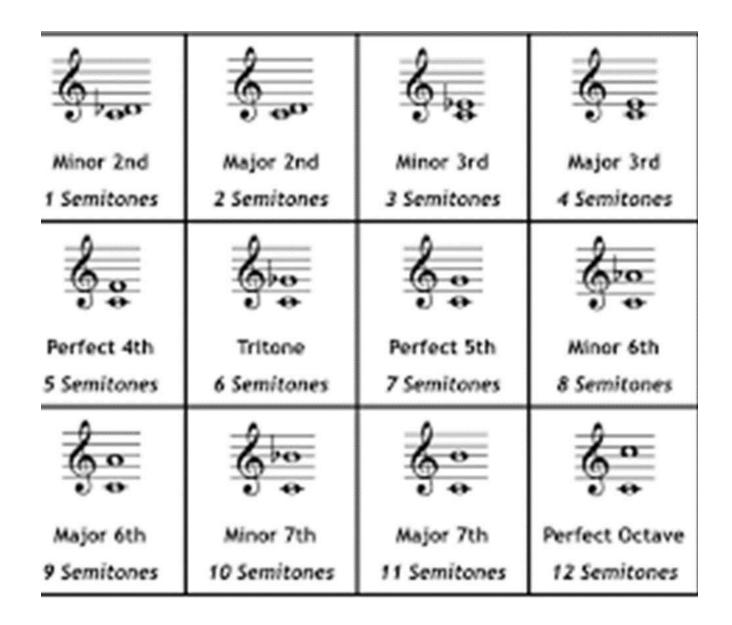




How to count an interval.



Types of Intervals



Intervals and how to count them.

2020-05-13 11:04 UTC

Recaided to

Julie BROWN

Organized by

Julie BROWN

Intervals Cheat Songs

Minor 2nd – Jaws





THEME FROM "JAWS"

from the Universal Picture JAWS

By JOHN WILLIAMS



Major 2nd Happy Birthday









Minor 3rd Greensleeves – Alas



top lay along.com

Descant Recorder

Greensleeves

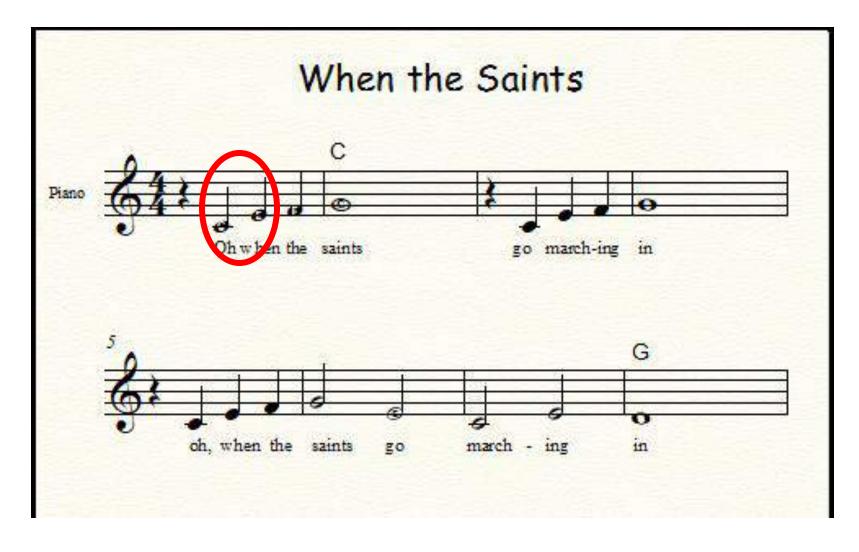
What Child Is This

Traditional





Major 3rd Oh When the saints





Perfect 4th Amazing Grace

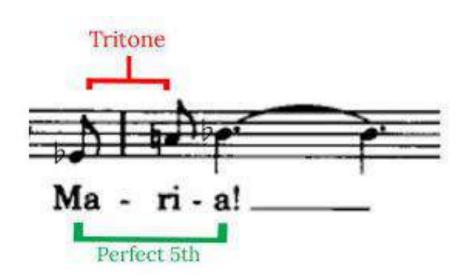
AMAZING GRACE

Perfect 4th 5 Semitones

Words by JOHN NEWTON From A Collection of Sacred Ballads Traditional American Melody From Carrell and Clayton's Virginia Harmony



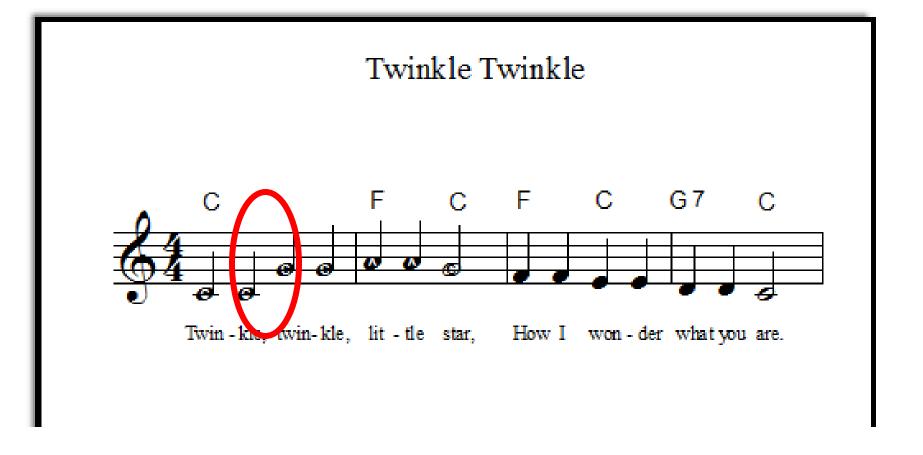
Tritone - Maria – West Side Story







Perfect 5^{th - Twinkle} Twinkle





Minor 6th The entertainer



The Entertainer

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Easy Piano

Scott Joplin arranged by Misha V. Stefanuk

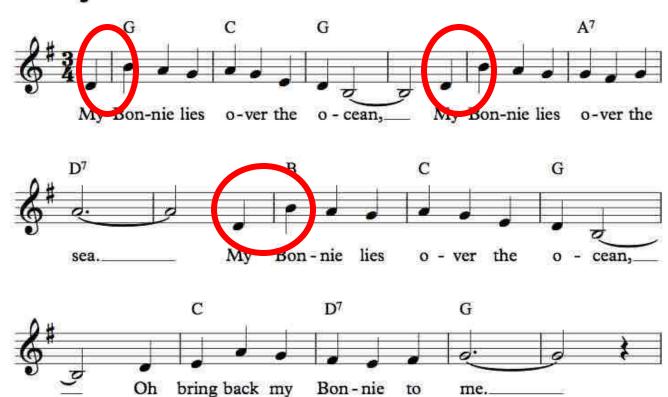






Major 6th My Bonnie

My Bonnie Lies Over The Ocean





Minor 7th - Somewhere – West Side Story



SOMEWHERE

from WEST SIDE STORY

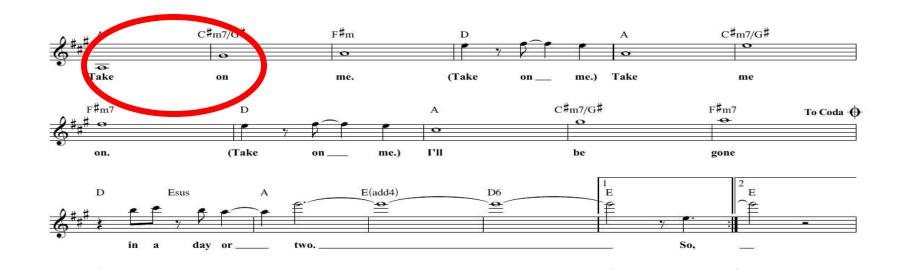
Music by LEONARD BERNSTEIN Lyrics by STEPHEN SONDHEIM





Major 7th Take on me







Octave Somewhere Over the Rainbow



Over the Rainbow





Interval Song Cheats

2020-05-13 12:12 UTC

Recorded to

Julie BROWN

Organized by

Julie BROWN