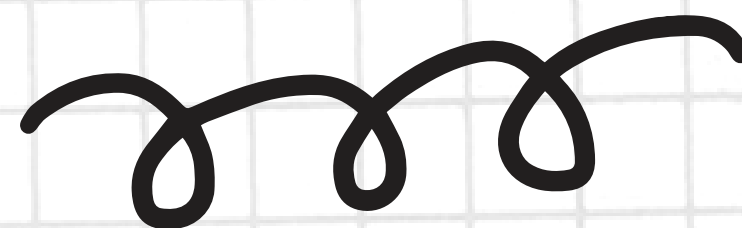




EAR TRAINING: INTERVALS I

MINI LESSON





WHAT IS EAR TRAINING?





EAR TRAINING IS:

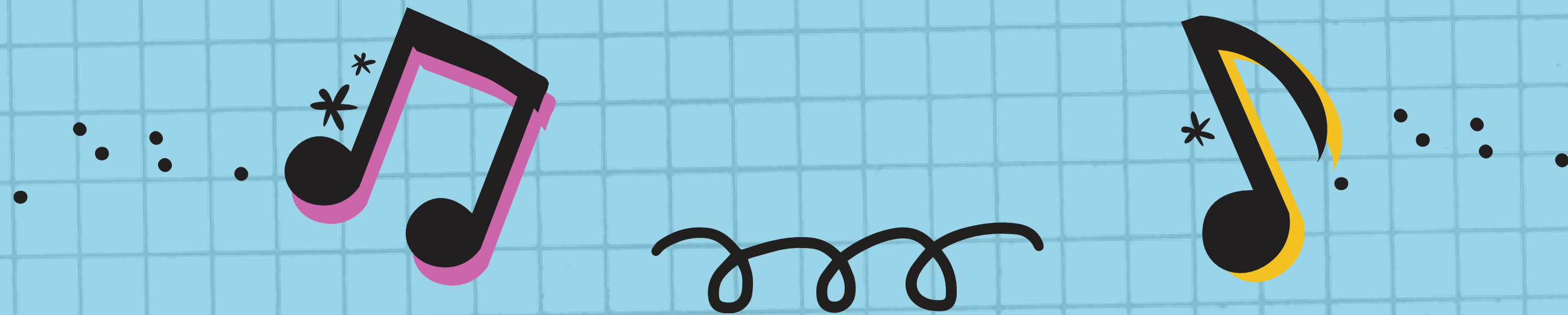
**LEARNING TO IDENTIFY THE NOTES,
CHORDS, RYTHMS, AND PATTERNS YOU
HEAR IN MUSIC THROUGH CONNECTING
THEM WITH MUSIC THEORY CONCEPTS.**





WHY DO WE TRAIN OUR EARS?





EAR TRAINING HELPS MUSICIANS:

- PLAY BACK WHAT THEY HEAR
- SIGHT SING (SING MUSIC STRAIGHT FROM THE WRITTEN PAGE)
- SIGHT READ MUSIC
- IMPROVISE, WHICH MEANS CREATING ORIGINAL MELODIES (LIKE IN JAZZ)
- LEARN NEW MUSIC MORE EASILY

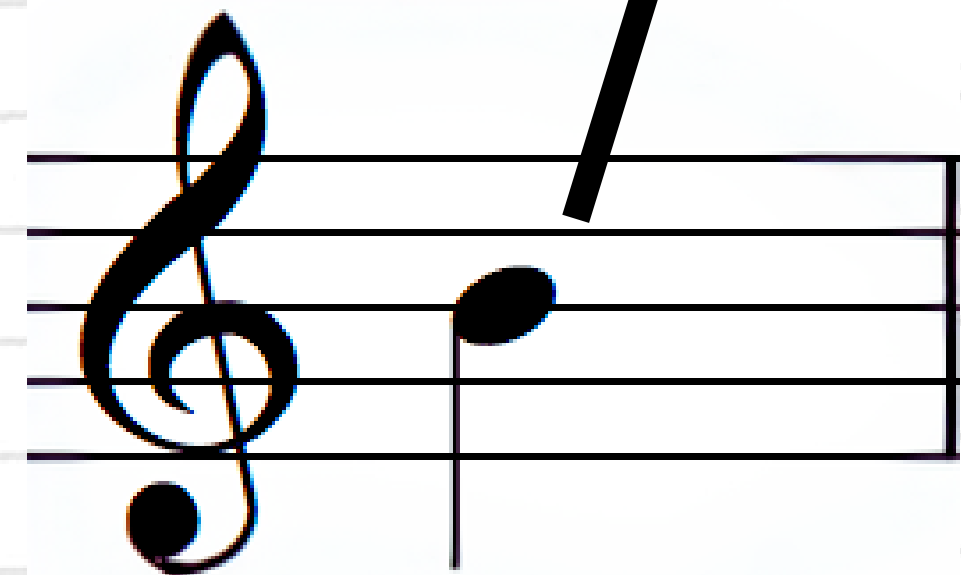


WHAT IS A PITCH?

A PITCH IS A MUSICAL NOTE

PITCHES ARE REPRESENTED BY
LETTERS OF THE ALPHABET
WHEN THEY DESCRIBE
SPECIFIC NOTES:

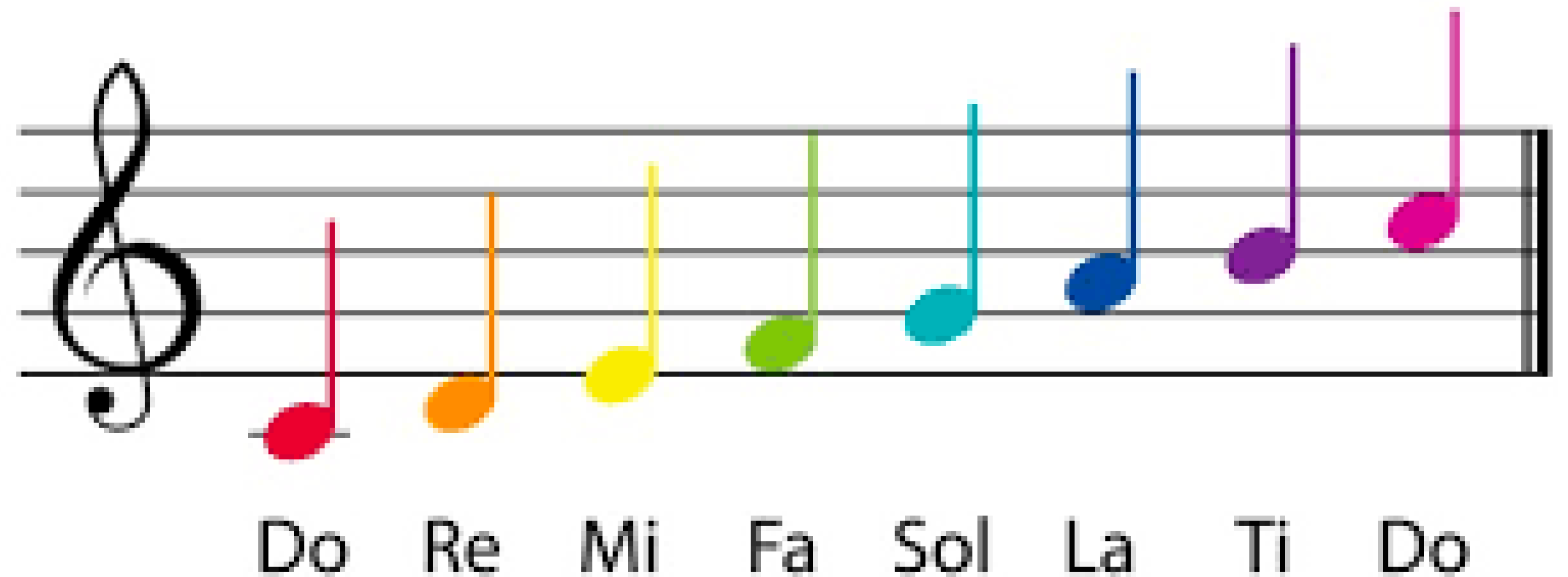
C, D, E, F, G, A, **B**



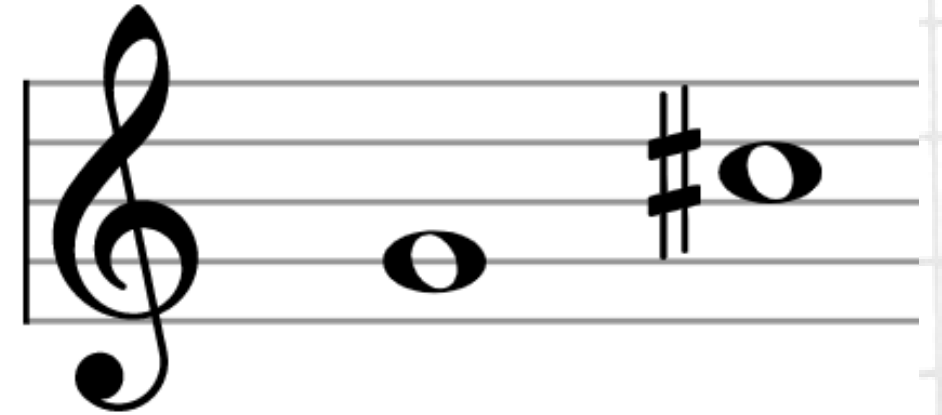
WHAT IS A PITCH?

PITCHES CAN ALSO BE DESCRIBED BY SYLLABLES USING A SYSTEM CALLED "SOLFEGE" WHERE SPECIFIC SYLLABLES REPRESENT MOVEABLE PITCHES:

DO, RE, MI, FA, SO, LA, TI

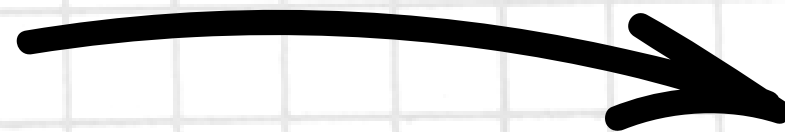


WHAT IS AN INTERVAL?



MELODIC INTERVAL
(PLAYED SEPARATELY)

AN INTERVAL IS THE
DISTANCE BETWEEN TWO
PITCHES



HARMONIC INTERVAL
(PLAYED AT THE SAME TIME)

C --> E

DO --> MI

INTERVALS AND MAJOR SCALE

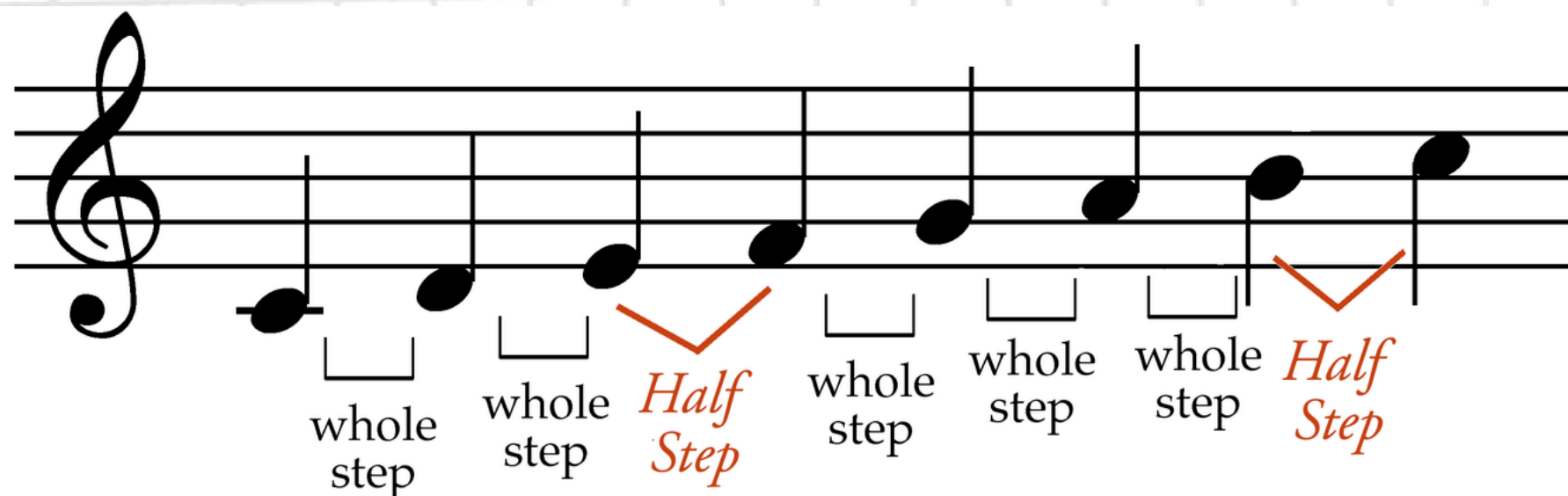
A SCALE IS FORMED WHEN YOU STRING TOGETHER A SEQUENCE OF NOTES. THE FOUNDATIONAL SCALE FOR WESTERN MUSIC IS THE MAJOR SCALE. THIS IS WHERE WE GET ALL NAMES FOR INTERVALS.

THE MAJOR SCALE IS MADE FROM:

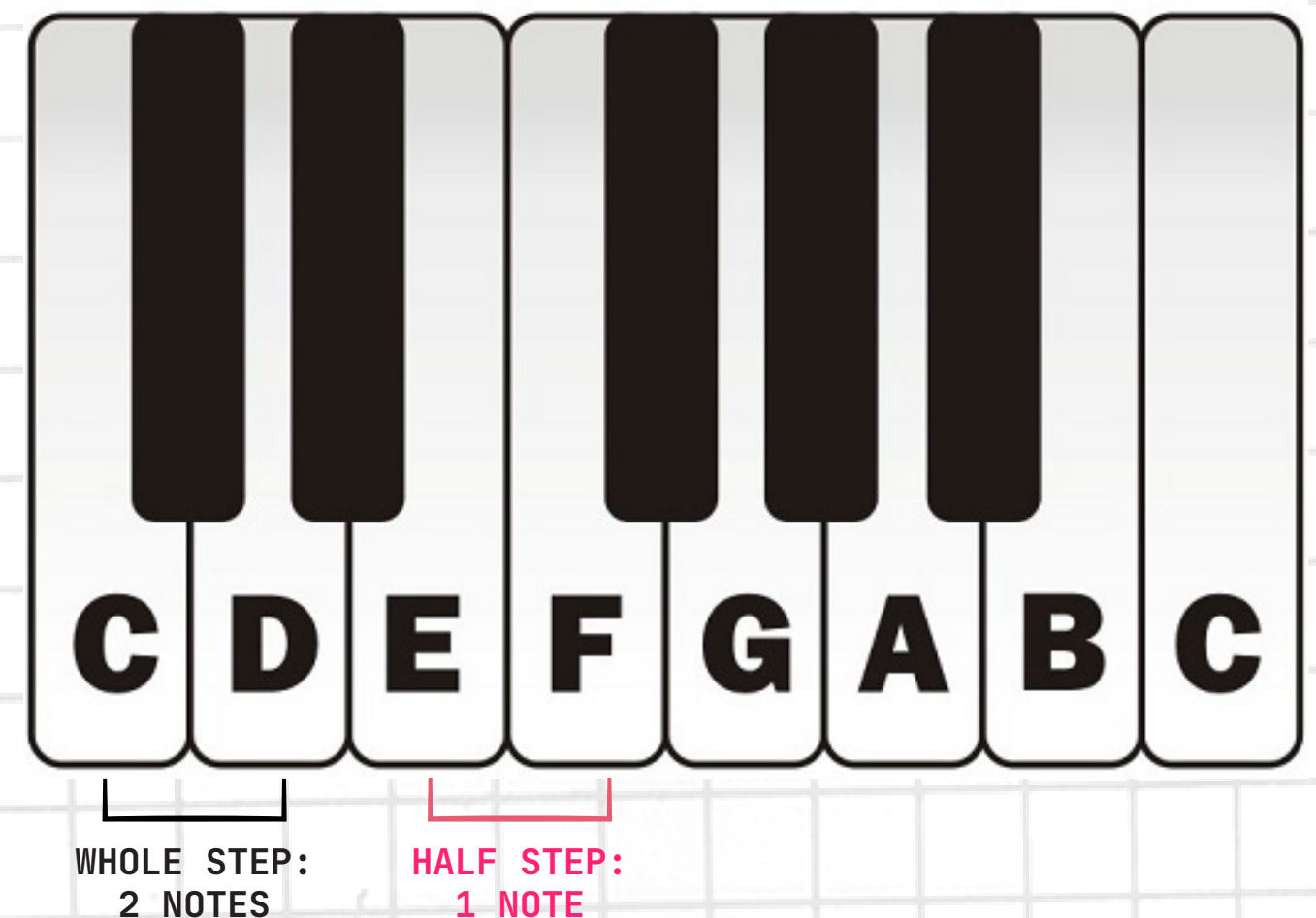
C, D, E, F, G, A, B, C

OR

DO, RE, MI, FA, SO, LA, TI, DO



C MAJOR SCALE



HOW DO WE MEASURE INTERVALS?

WE MEASURE INTERVALS BY HOW
MANY NOTES OF THE MAJOR SCALE
THEY SPAN

C --> G = PERFECT FIFTH

OR

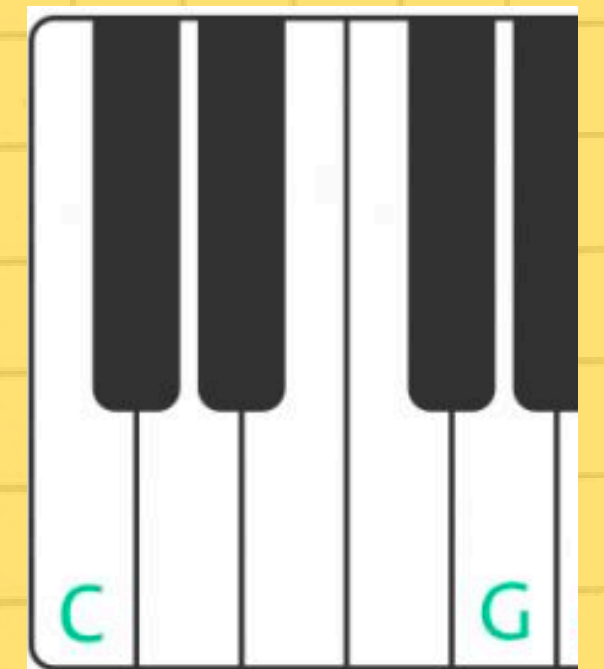
DO --> SO = PERFECT FIFTH

A PERFECT FIFTH SPANS FIVE
NOTE NAMES IN THE MAJOR SCALE:

C, D, E, F, G

OR

DO, RE, MI, FA, SO



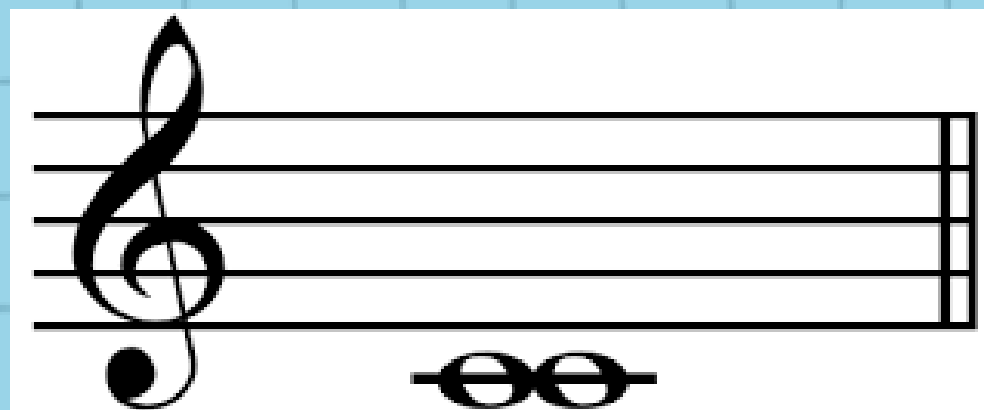
1 2 3 4 5
NOTES





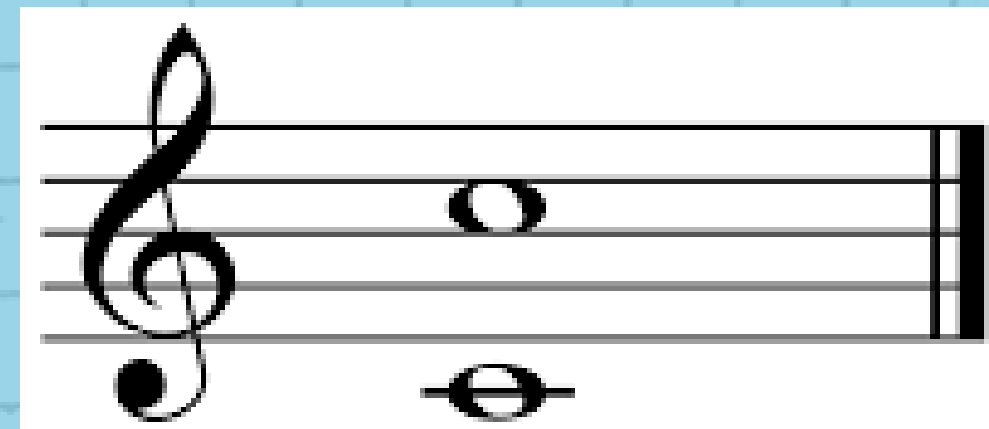
UNISON:

- THIS INTERVAL IS A UNISON
- IT IS THE SAME NOTE PLAYED TWICE
- THERE ARE NO NOTES IN BETWEEN A UNISON
- C --> C
- DO --> DO



OCTAVE:

- THIS INTERVAL IS AN OCTAVE
- IT IS THE SAME NOTE NAME TWICE BUT THE INTERVAL SPANS EIGHT NOTES
- C1 --> C2
 - C1, D, E, F, G, A, B, C2
- DO --> DO
 - DO, RE, MI, FA, SO, LA, TI, DO





**HOW DO WE
RECOGNIZE
INTERVALS?**

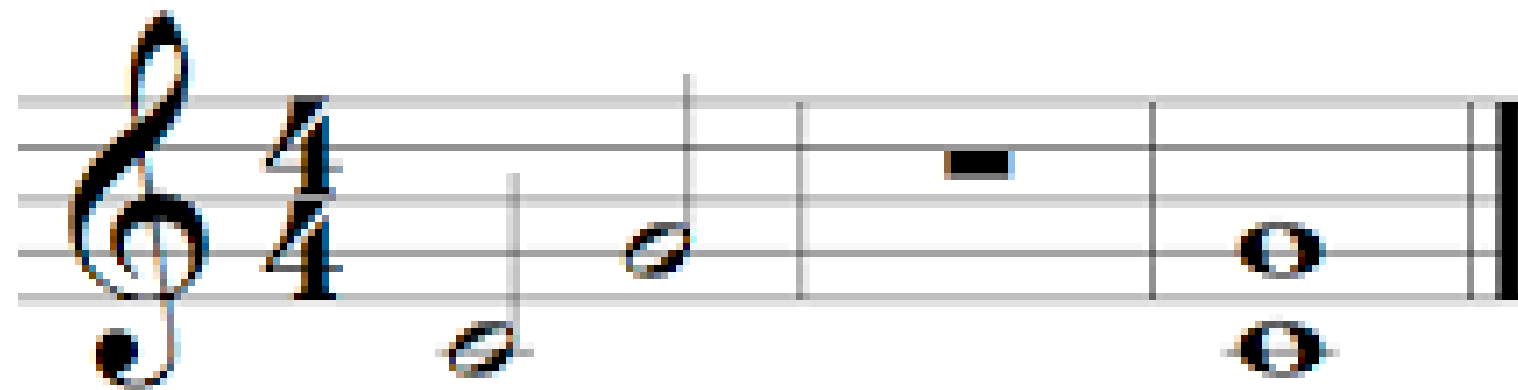




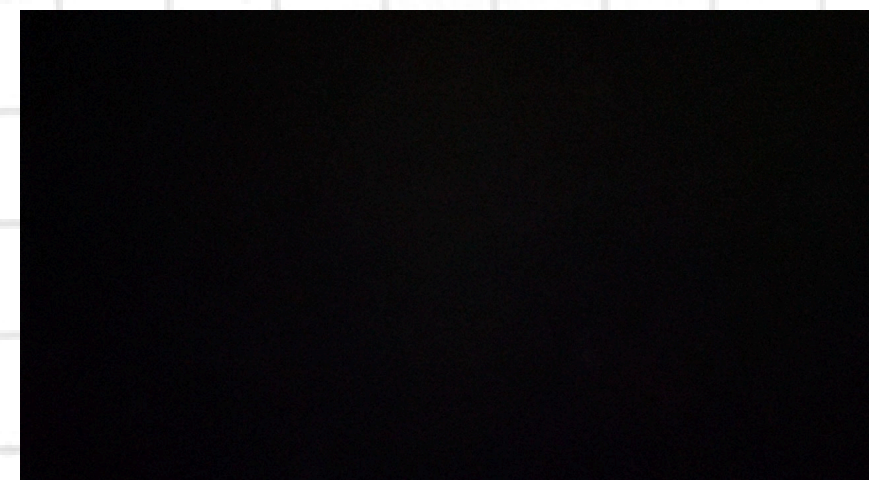
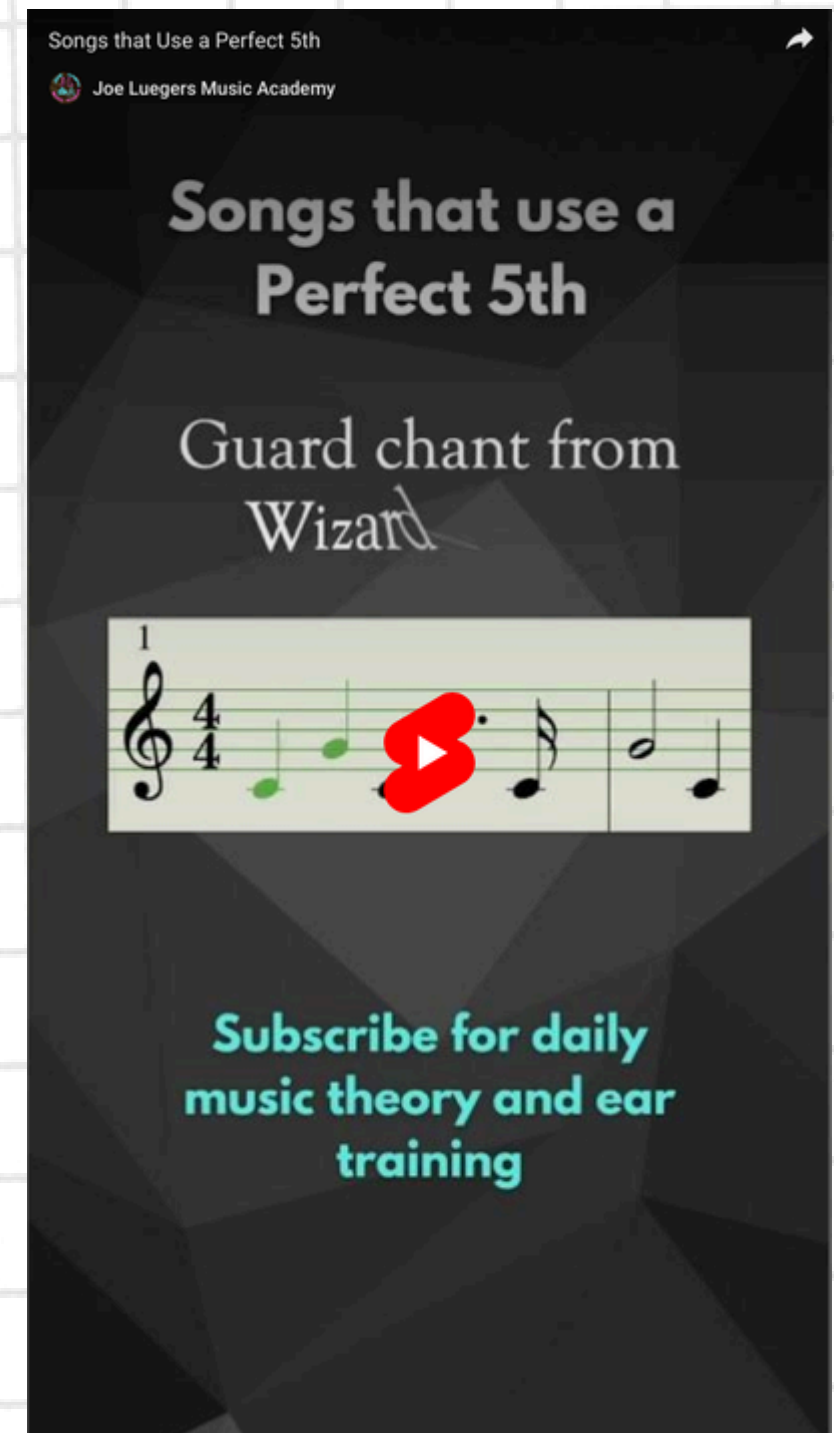
**WE CAN USE POPULAR SONGS TO IDENTIFY
INTERVALS!**

PERFECT FIFTH SONGS

THE OPENING TO
"STAR WARS" IS A
PERFECT FIFTH

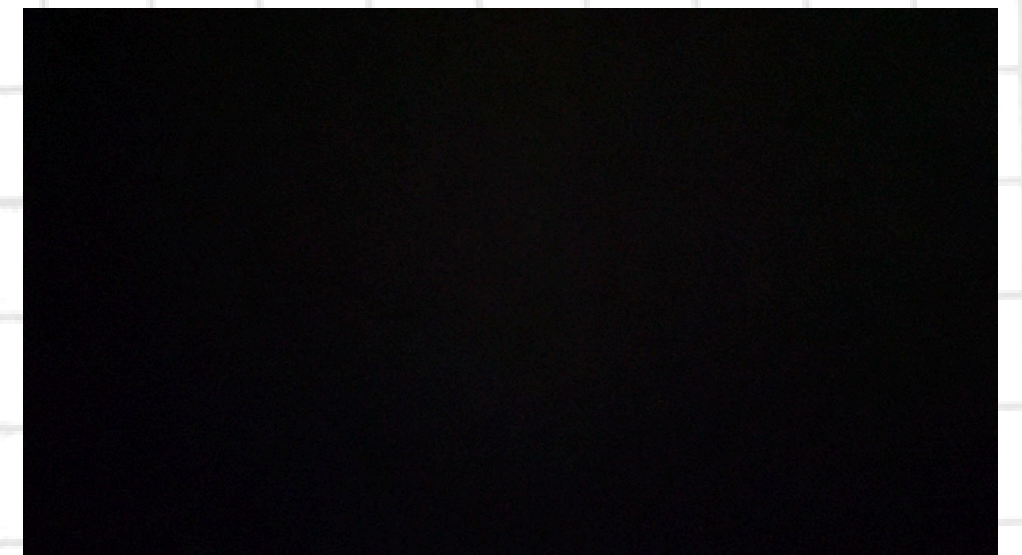
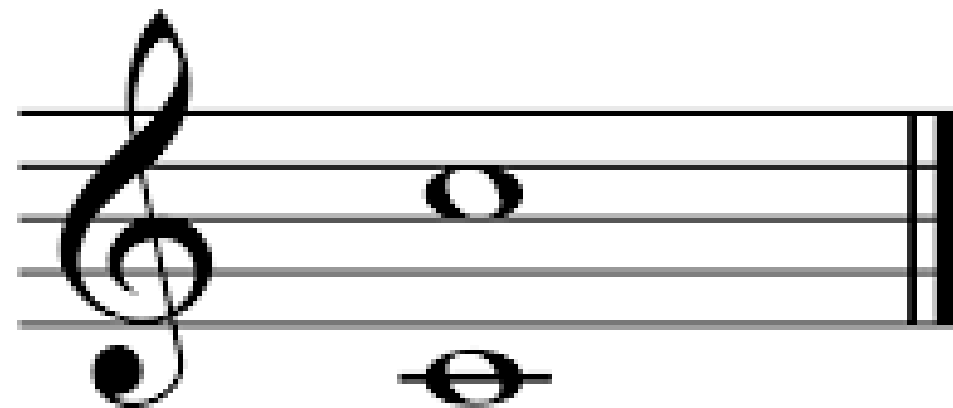


"IF YOU CAN HEAR THE OPENING NOTES OF 'STAR WARS'
IN YOUR HEAD, YOU CAN HEAR A PERFECT FIFTH IN ANY
MUSIC!" -STELLA



PERFECT OCTAVE SONGS

THE OPENING OF
"SOMEWHERE OVER THE RAINBOW"
USES A PERFECT OCTAVE IN THE
FIRST MEASURE.



HOW TO IDENTIFY INTERVALS

STEPS

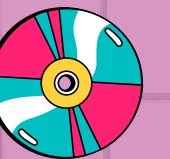
STEP 1. LISTEN TO THE INTERVAL



STEP 2. SING BACK THE INTERVAL



STEP 3. MATCH THE INTERVAL TO ONE FROM A SONG YOU KNOW



STEP 4. IDENTIFY THE INTERVAL FROM THAT SONG



**TRY IT
YOURSELF!**

EXERCISE

LISTEN TO THE FOLLOWING INTERVALS

UNISON

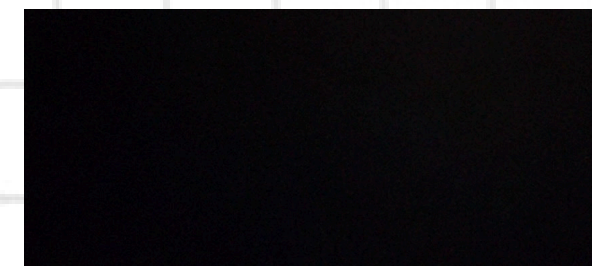
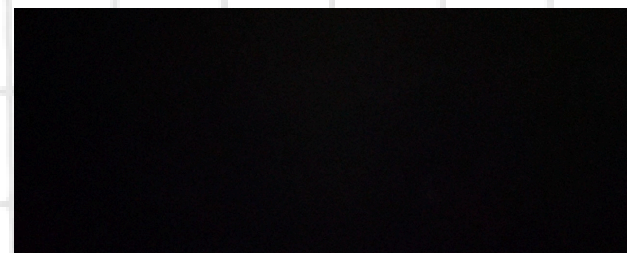
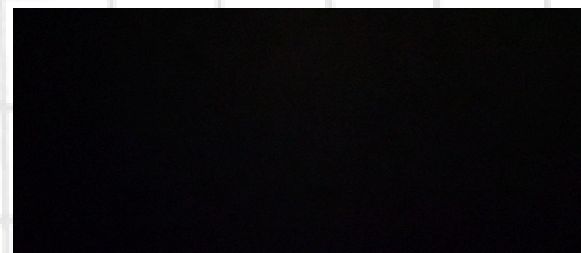
5TH

OCTAVE

"TWINKLE TWINKLE"

"STAR WARS"

**"SOMEWHERE OVER
THE RAINBOW"**



EXERCISE

NOW SING BACK THE INTERVALS

UNISON

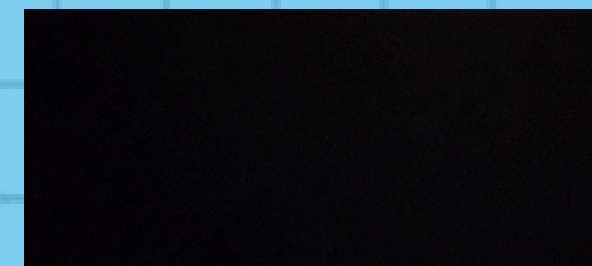
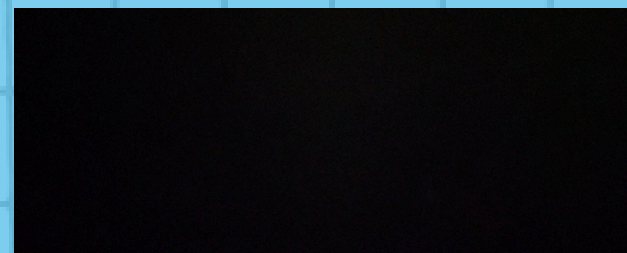
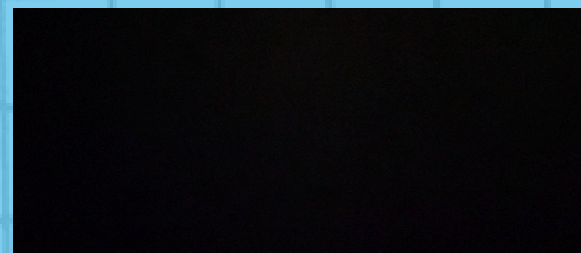
5TH

OCTAVE

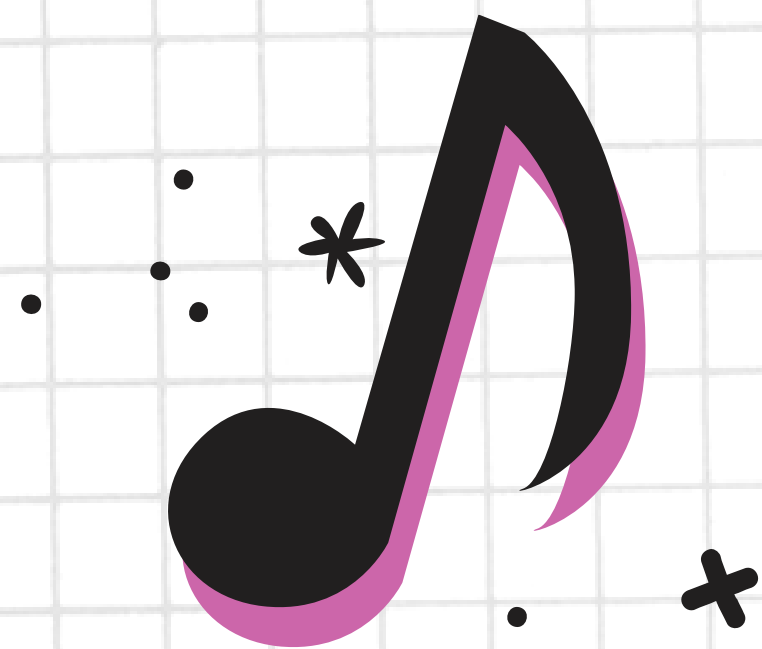
"TWINKLE TWINKLE"

"STAR WARS"

"OVER THE
RAINBOW"



GAME





STEPS



1. TEACHER PLAYS AN INTERVAL
2. STUDENTS SING BACK INTERVAL
3. TEACHER PLAYS INTERVAL AGAIN
4. WHEN TEACHER SAYS "GO", STUDENTS SHOW THE INTERVAL WITH THEIR FINGERS
5. TEACHER REVEALS INTERVAL

6.

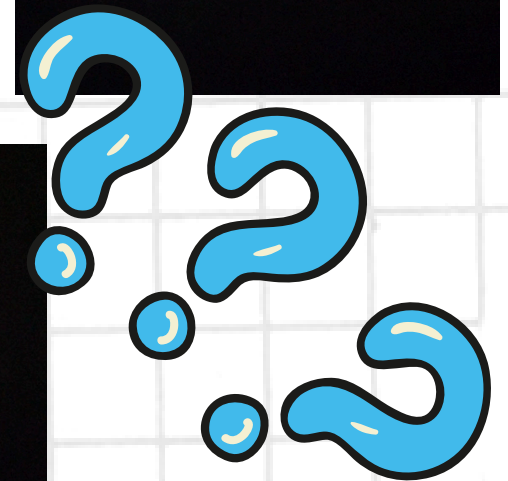
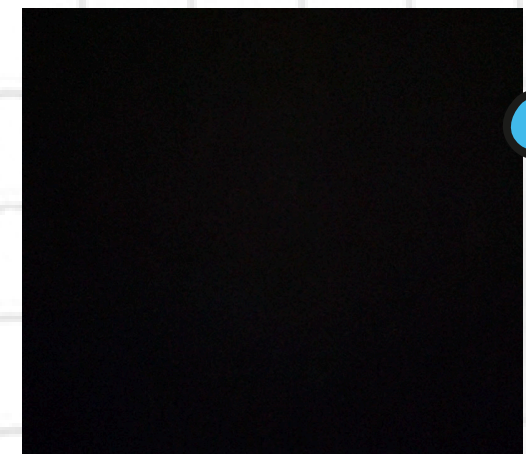
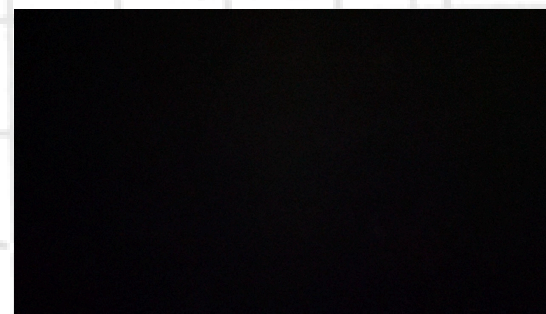
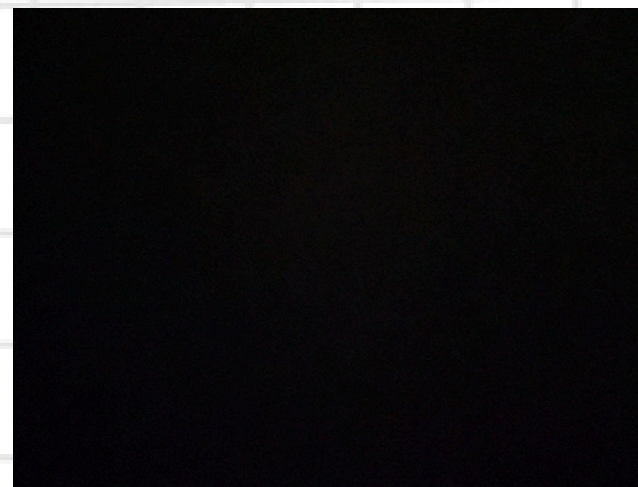
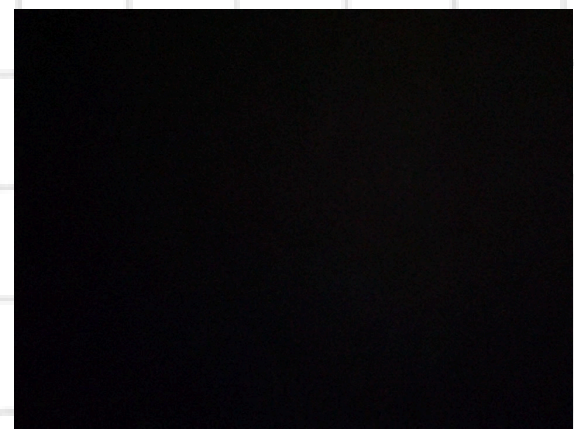
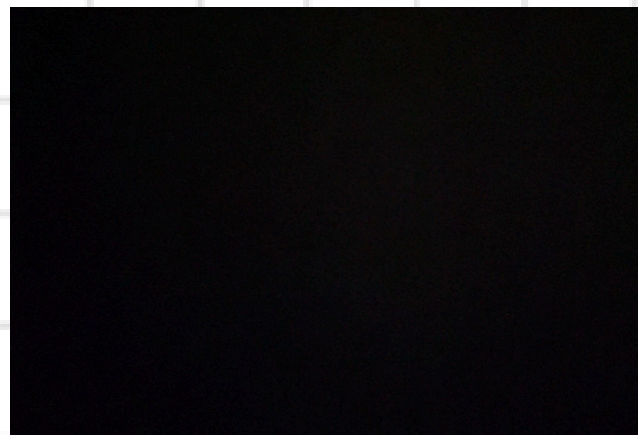
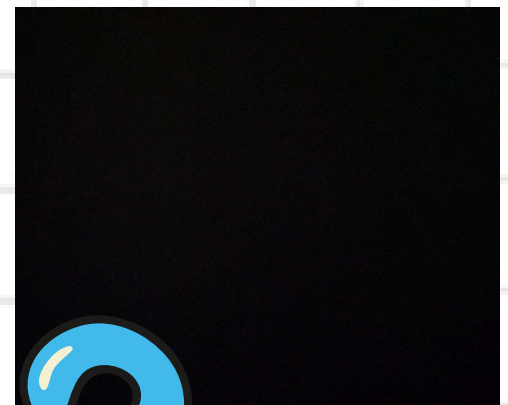
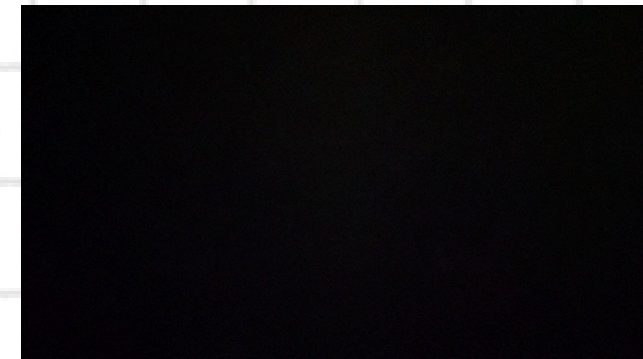
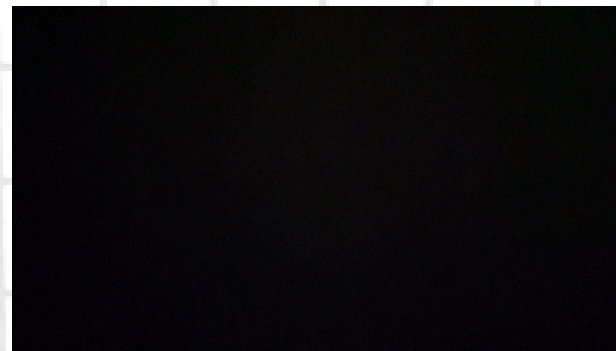
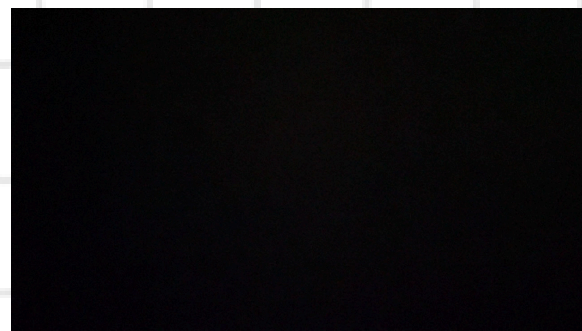
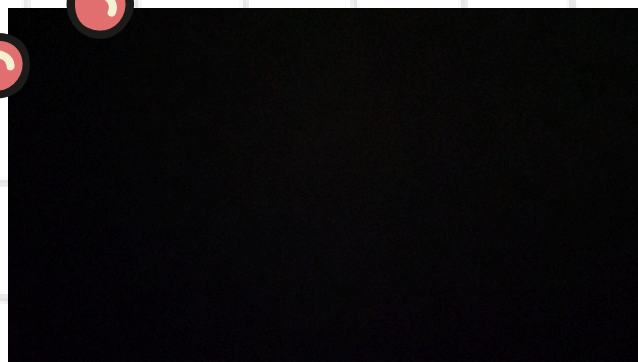
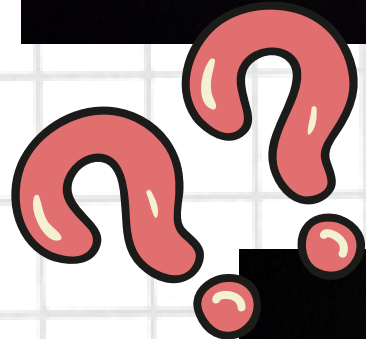
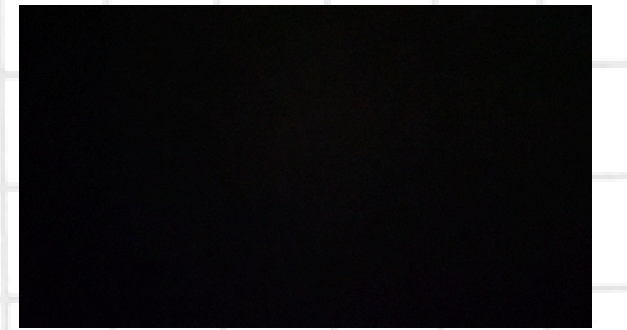
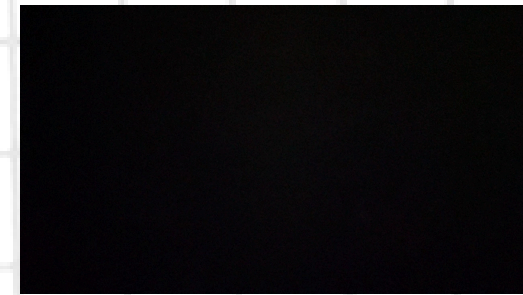
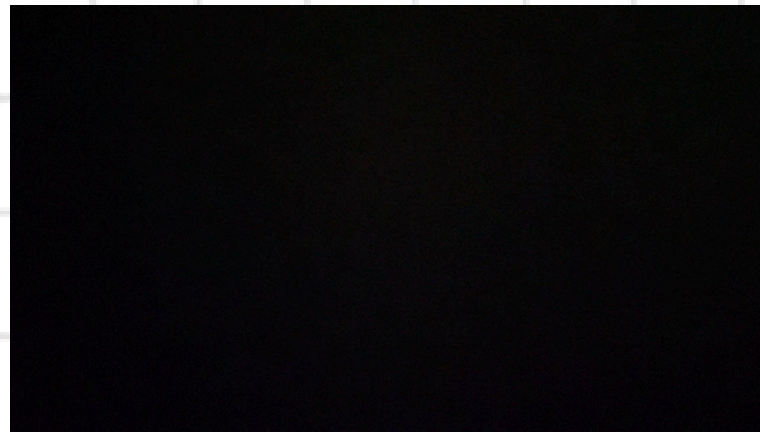
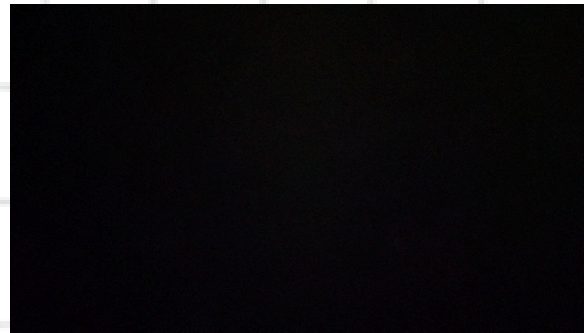
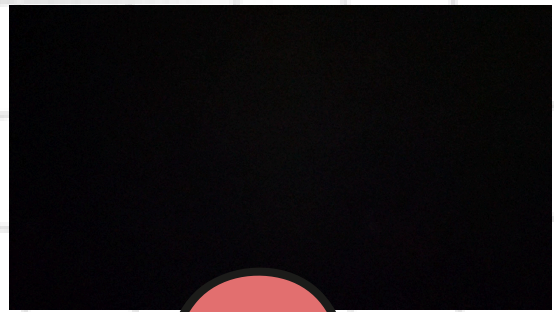
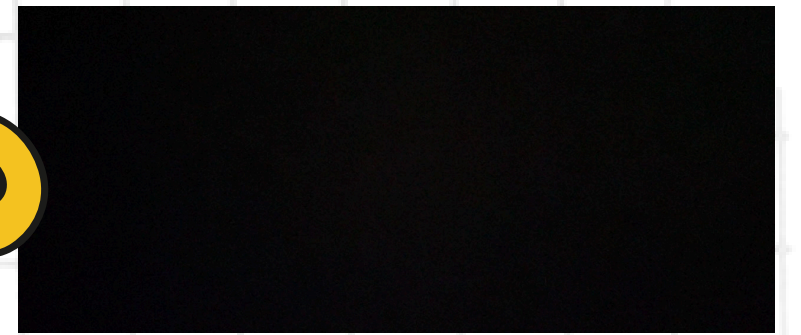
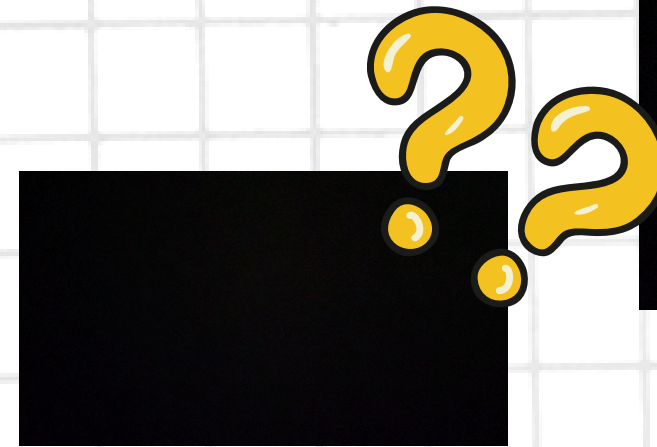
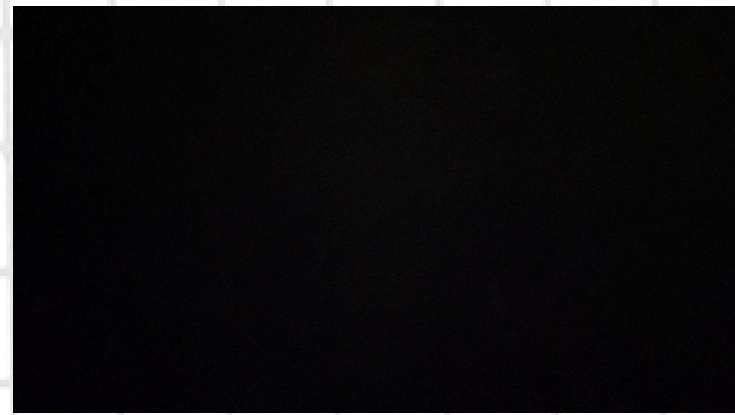
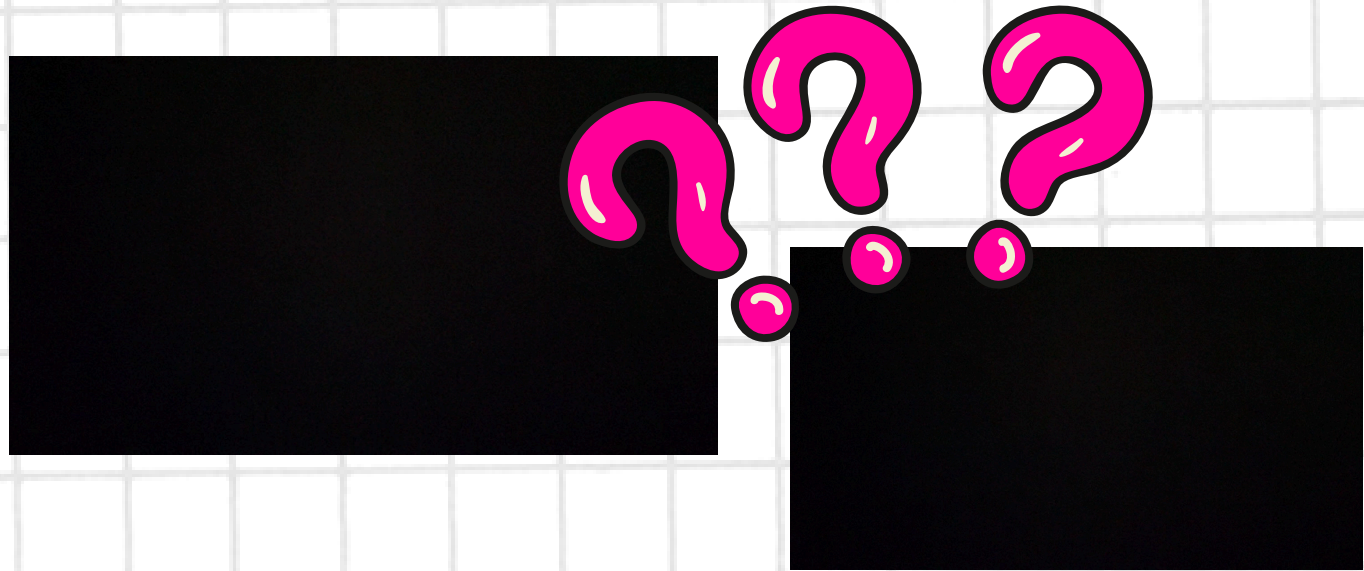
IF YOU GET THE INTERVAL RIGHT, YOU ADVANCE TO NEXT ROUND. IF YOU GET THE INTERVAL WRONG, SIT OUT (ELIMINATION STYLE).

7.

TEACHER MOVES ON TO NEXT INTERVAL AND REPEATS STEPS 1-6 UNTIL ONE MUSICIAN REMAINS.

INTERVAL AUDIO CLIPS ON NEXT SLIDE

-->





GREAT JOB!





MAJOR AND MINOR 3RDS



WITH THESE INTERVALS AND THE PERFECT FIFTH, YOU WILL BE
ABLE TO BUILD CHORDS, WHICH ARE THE FOUNDATION OF SONGS!