



Music Virtual Learning

# Symphonic Orchestra

April 21, 2020



# Symphonic Orchestra

Lesson: April 21, 2020

**Objective/Learning Target: “I can understand how notes are divided, including dotted rhythms”**

# Warm-Up



## VIBRATO WARM UP REVIEW

\*\*REVIEW YOUR EXERCISES EVERY DAY THIS WEEK!!

- SILENT SIREN
- SHAKERS
- (CHECK YOUR VIBRATO KILLERS!)

## VIBRATO WARM UP

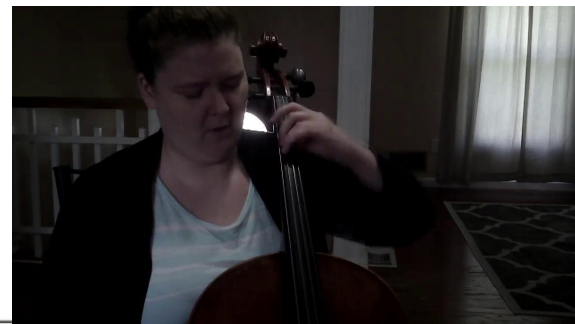
### "STICKY FINGERS"

- START WITH THE "SILENT SIREN" MOVEMENT UP AND DOWN THE STRINGS
- KEEP THUMB IN POSITION WHILE ARM CONTINUES TO MOVE ("STICKY THUMB")
- TRY TO "STICK" EACH FINGER
- WITH METRONOME IN STEADY RHYTHM
- THINK ABOUT PULLING THE KNUCKLE AWAY

ALL WATCH THIS



CELLO/BASS: WATCH MS. ROSS' VIDEO AFTER MS. WOW'S VIDEO! :)

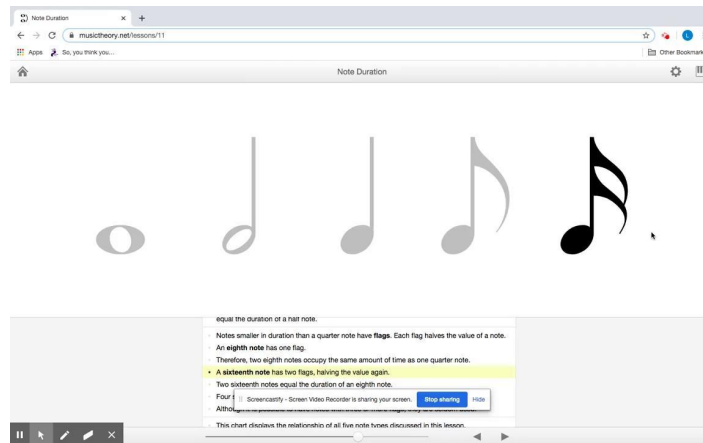


# Lesson



## NOTE DURATION

WATCH THIS VIDEO TO  
UNDERSTAND (OR REVIEW)  
HOW TO DIVIDE RHYTHMS

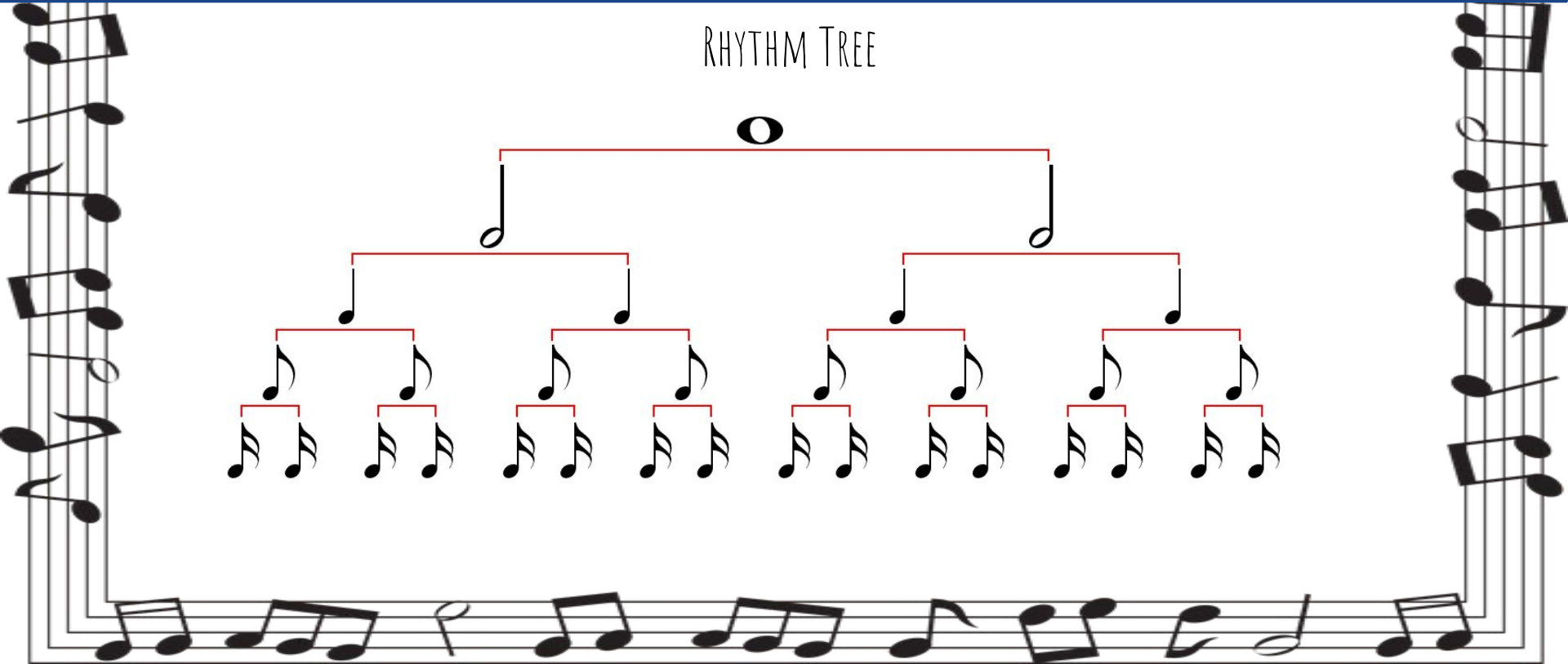


The screenshot shows a video player interface. At the top, the browser address bar displays "musictheory.net/lessons/11". The video content shows five musical notes on a staff: a whole note, a half note, a quarter note, an eighth note with a flag, and a sixteenth note with two flags. Below the notes is a transcript with the following text:

- equal the duration of a half note.
- Notes smaller in duration than a quarter note have flags. Each flag halves the value of a note.
- An eighth note has one flag.
- Therefore, two eighth notes occupy the same amount of time as one quarter note.
- A sixteenth note has two flags, halving the value again.
- Two sixteenth notes equal the duration of an eighth note.
- FOUR
- Altho

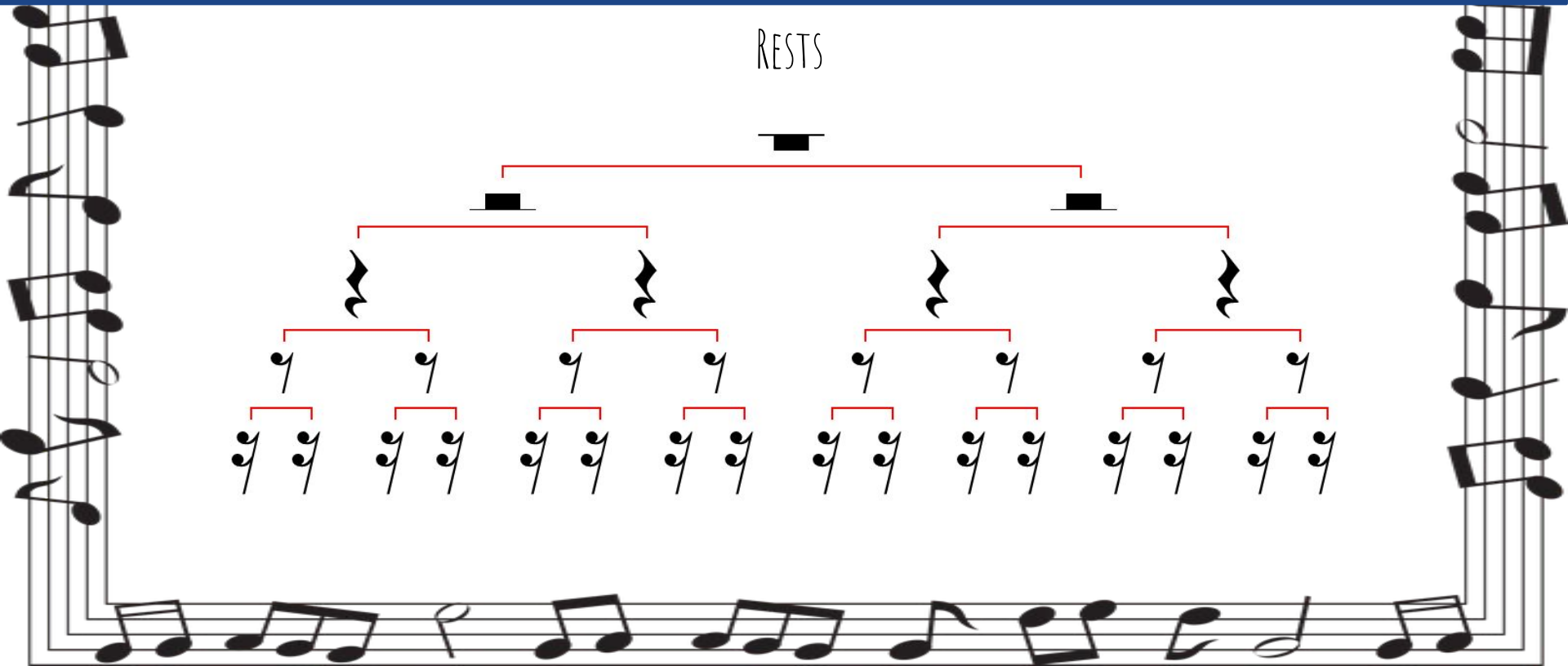
At the bottom of the transcript, there is a "Stop sharing" button and a "Hide" button. The video player controls at the bottom show a play button, a progress bar, and a volume icon.

# RHYTHM TREE





# RESTS



## DOTTED RHYTHMS

CHECK OUT THIS VIDEO ON  
DOTTED RHYTHMS! THIS WILL  
HELP YOU BETTER  
UNDERSTAND THE "MATH"  
BEHIND DOTTED RHYTHMS!

The screenshot shows a video player with the title "Dots and Ties". The video content is as follows:


Below the grid, a list of key points is displayed:

- Ties merge multiple notes of the same pitch.
- They are used to let the duration of a note travel across barriers (such as the measure line in this example).
- The fourth and fifth notes are now combined.
- If the measure line were not there, we could have written a half note instead.
- Use this chart for reference to augmentation dots.

A Screenshotly watermark is visible at the bottom of the video player.

## DOTTED RHYTHMS

DOTTED RHYTHMS ARE USUALLY PAIRED WITH ANOTHER NOTE THAT "COMPLEMENTS" IT, SO THAT IT EQUALS A WHOLE NUMBER (BEAT).

④  $1.5 + .5 = 2$

①  $.75 + .25 = 1$

## DOTTED RHYTHMS

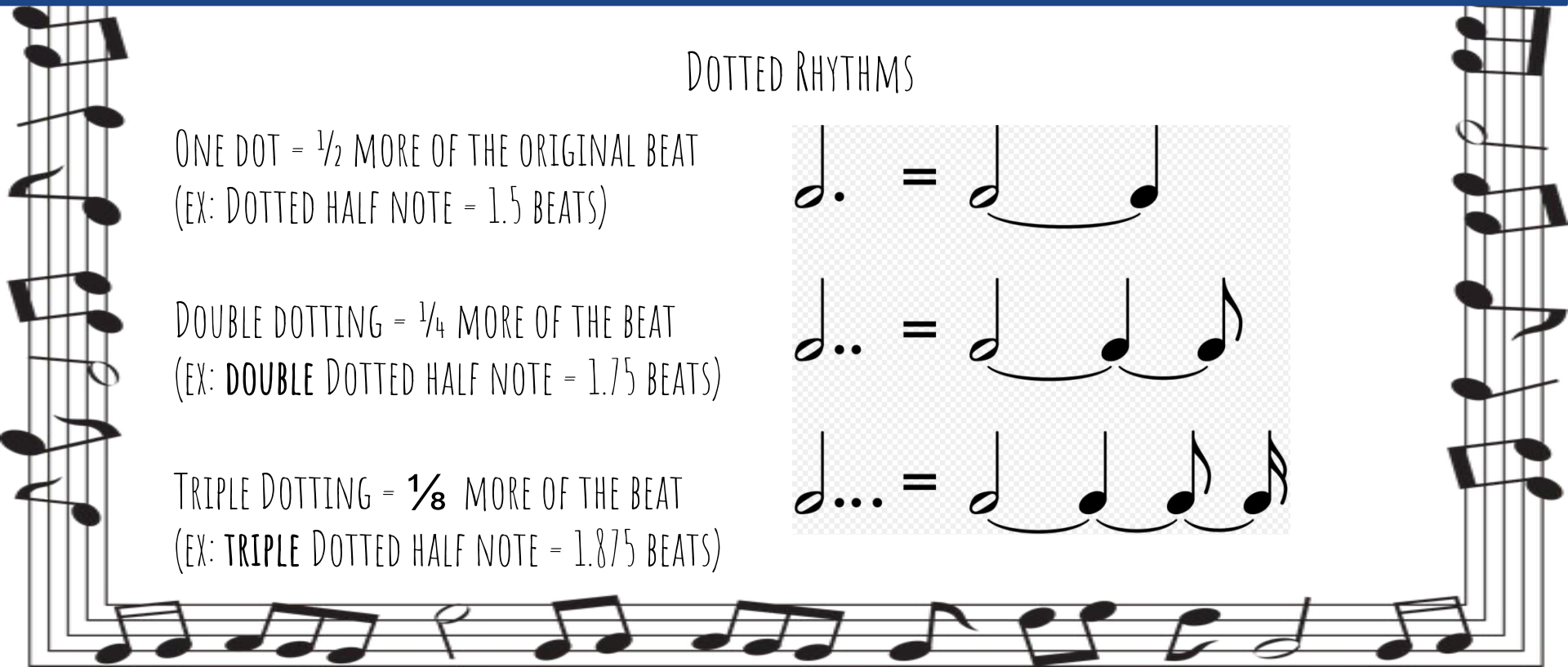
ONE DOT =  $\frac{1}{2}$  MORE OF THE ORIGINAL BEAT  
(EX: DOTTED HALF NOTE = 1.5 BEATS)



DOUBLE DOTTING =  $\frac{1}{4}$  MORE OF THE BEAT  
(EX: **DOUBLE** DOTTED HALF NOTE = 1.75 BEATS)



TRIPLE DOTTING =  $\frac{1}{8}$  MORE OF THE BEAT  
(EX: **TRIPLE** DOTTED HALF NOTE = 1.875 BEATS)



## MATH QUIZ! (MORE WORD PROBLEMS)

1. HOW MANY EIGHTH NOTES ARE IN A WHOLE NOTE?
2. HOW MANY SIXTEENTH NOTES ARE IN A HALF NOTE?
3. HOW MANY SIXTEENTH NOTES ARE IN A QUARTER NOTE?
4. HOW MANY THIRTY-SECOND NOTES ARE IN A WHOLE NOTE?
5. HOW MANY EIGHTH NOTES ARE IN A DOTTED HALF NOTE?

REFER BACK TO YOUR  
"RHYTHM TREE" IF  
YOU NEED HELP!!

## ANSWER KEY

1. HOW MANY EIGHTH NOTES ARE IN A WHOLE NOTE? 8!
2. HOW MANY SIXTEENTH NOTES ARE IN A HALF NOTE? ALSO 8!
3. HOW MANY SIXTEENTH NOTES ARE IN A QUARTER NOTE? 4! (4x4=16...HMM..)
4. HOW MANY THIRTY-SECOND NOTES ARE IN A WHOLE NOTE? 32!
5. HOW MANY EIGHTH NOTES ARE IN A DOTTED HALF NOTE? 6!

## RHYTHM MATH

CLICK THE LINK TO TEST YOUR  
RHYTHM MATH SKILLS!  
WHEN YOU GO TO THE PAGE, CHECK  
ONLY THE "RHYTHM MATH" BOX.

# Review







# Additional Materials



THIS WEBSITE HAS AN EXPLANATION OF HOW RHYTHMS RELATE TO FRACTIONS AND MATH, BUT ALSO A PRETTY FUN INTERACTIVE ACTIVITY!

[HTTP://MATHENGAGED.ORG/RESOURCES/ACTIVITIES/MUSIC/RHYTHMS-FRACTIONS/](http://mathengaged.org/resources/activities/music/rhythms-fractions/)

# Self-Assessment



MORE MATH RHYTHM WORK! QUIZ YOURSELF! :)

[HTTP://WWW.MUSICTECHTEACHER.COM/MUSIC\\_QUIZZES/AQ\\_RHYTHMIC\\_MATH\\_QUIZ/STORY.HTM](http://www.musictechteacher.com/music_quizzes/aq_rhythmic_math_quiz/story.htm)

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