



Music Virtual Learning

# Concert Orchestra

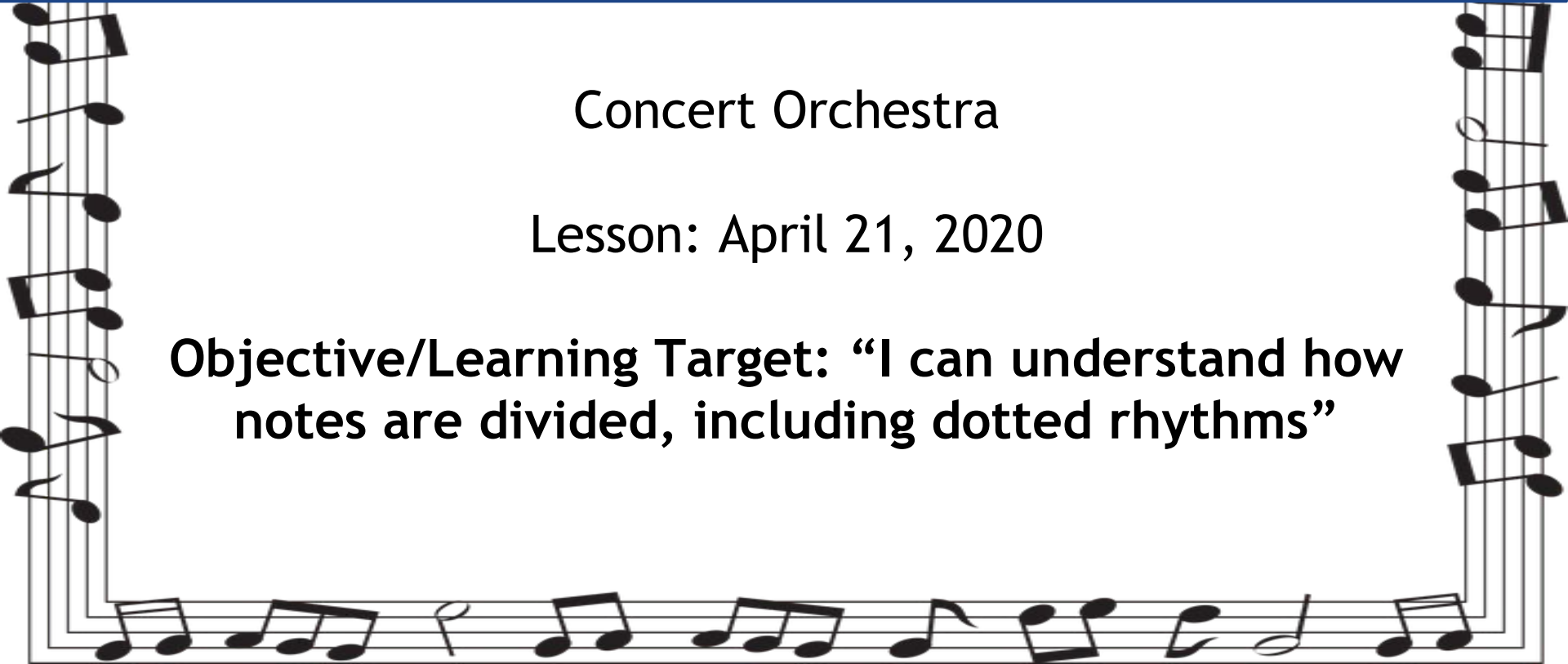
April 21, 2020



# Concert 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

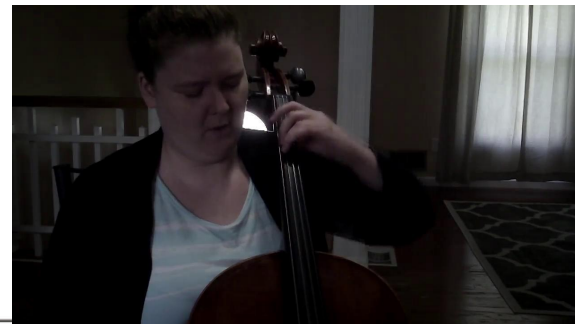
### "STICKY FINGERS"

- 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! :)

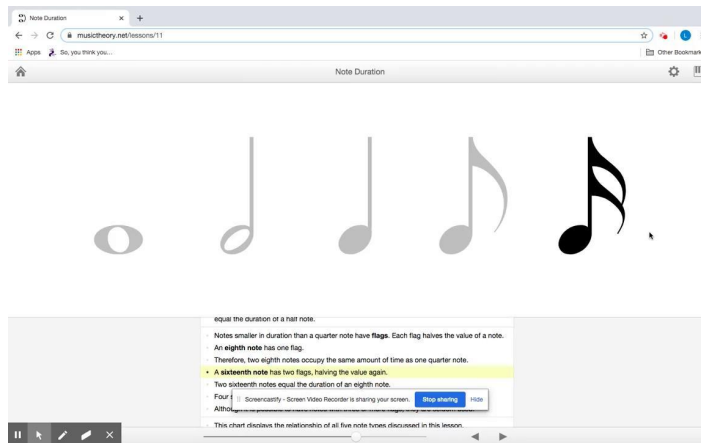


# Lesson

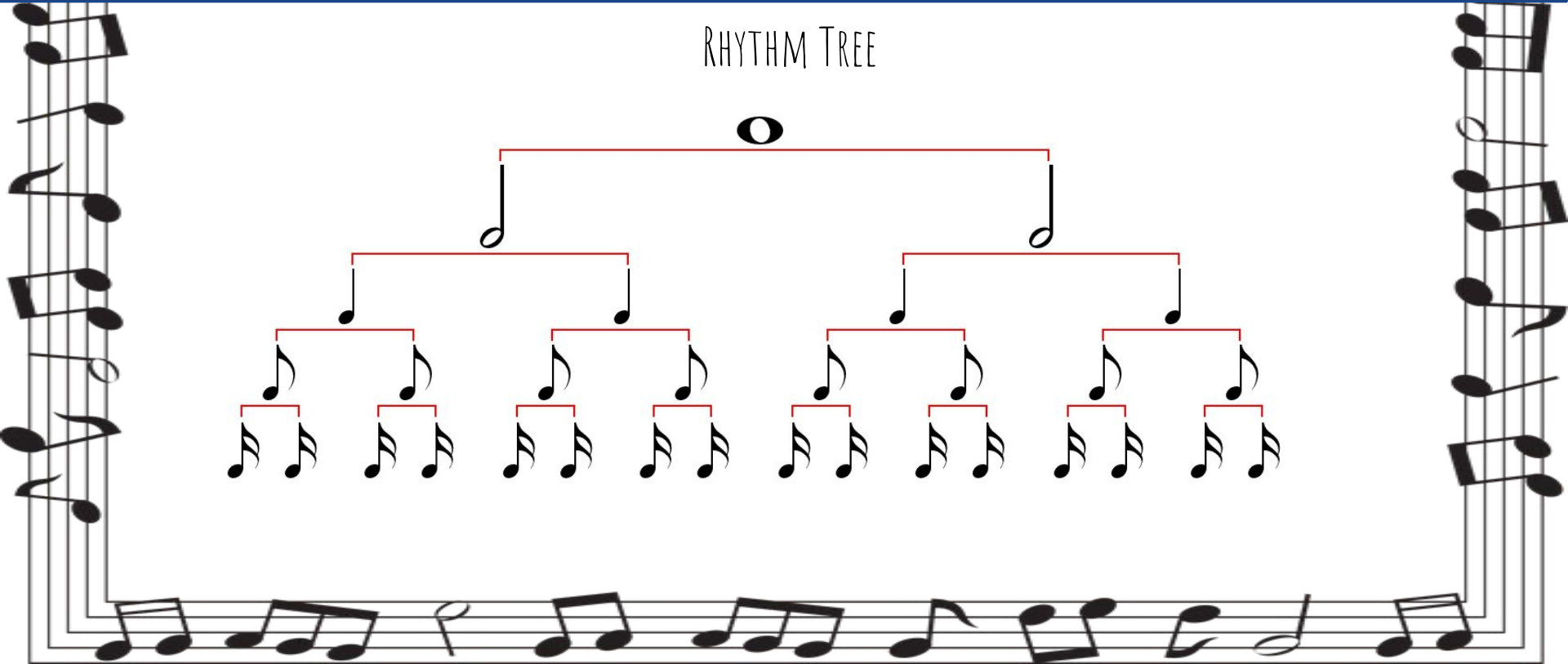


## NOTE DURATION

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

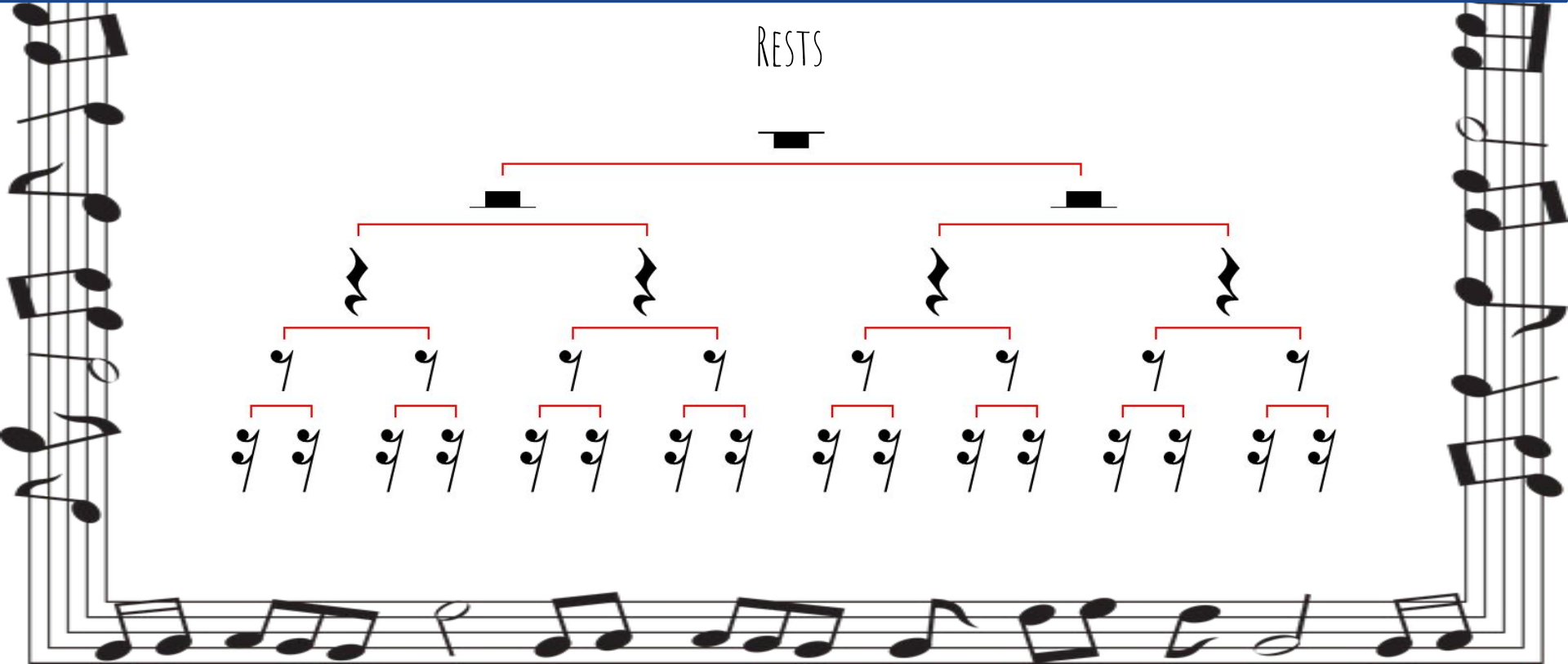
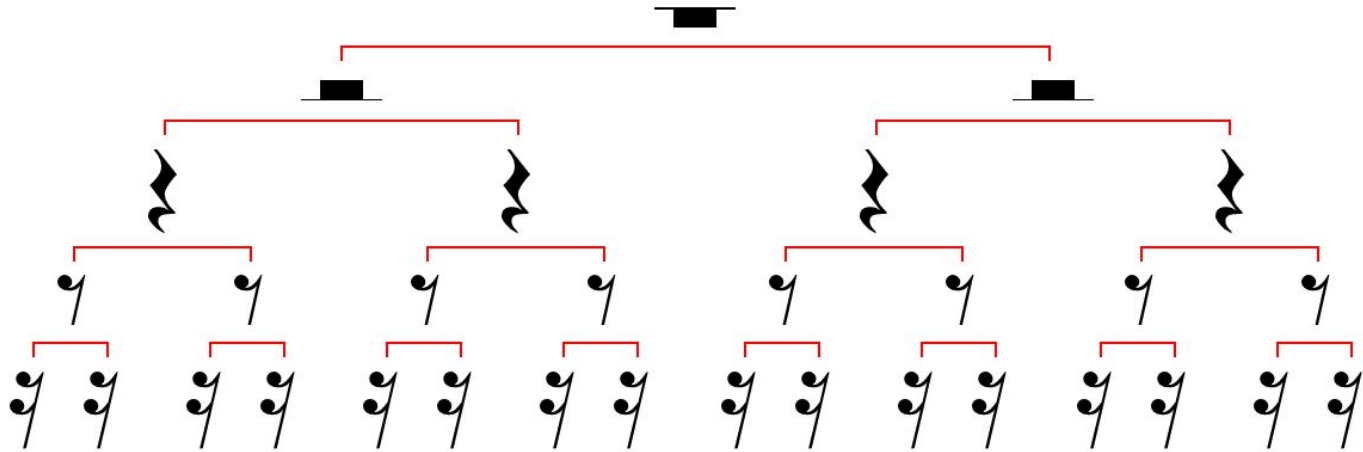


# RHYTHM TREE





# 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 shown:

- 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

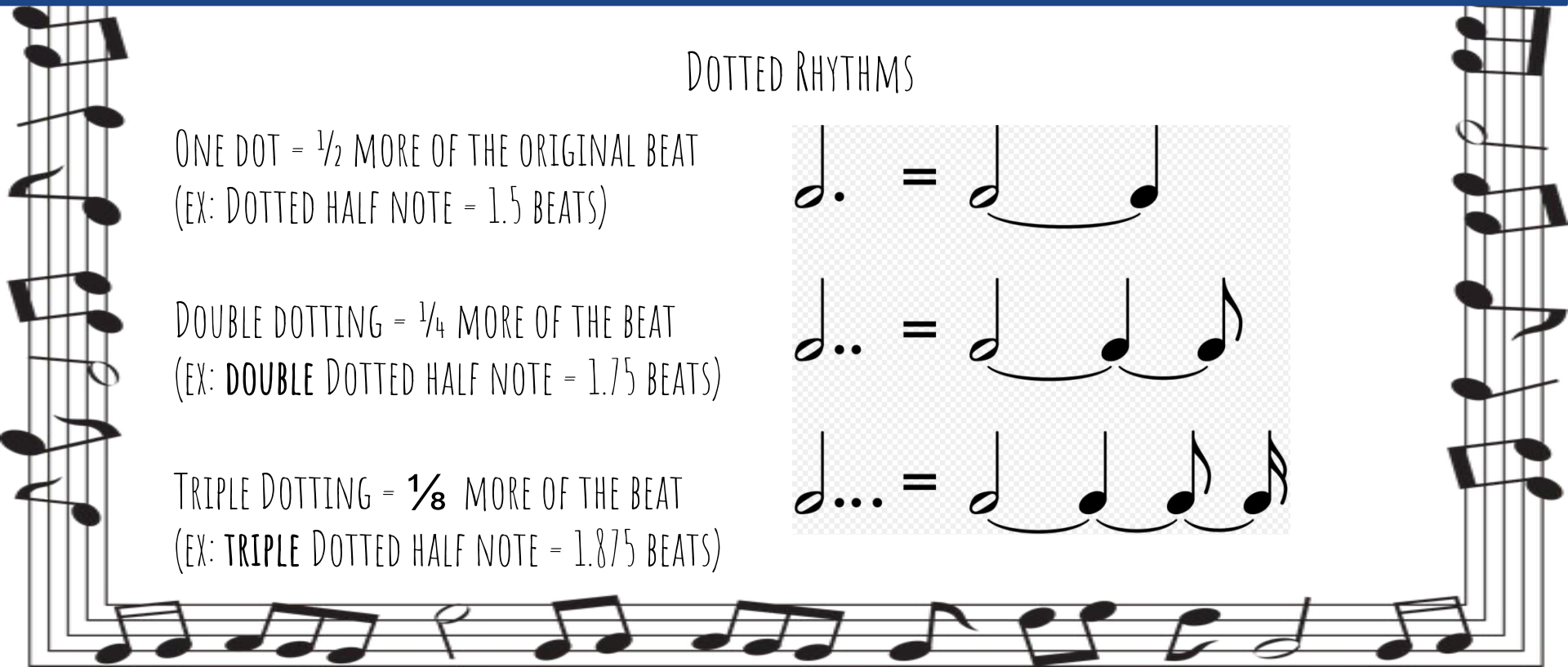
ONE DOT =  $\frac{1}{2}$  MORE OF THE ORIGINAL BEAT  
(EX: DOTTED HALF NOTE = 1.5 BEATS)



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





## SAY, CLAP, PLAY! THE RHYTHM

Example



12 3 4 + 12 + 34 + 123 4 + 12 + 3 + 4

Example



12 3 e + a 4 1 a 2 a 3 a 4 1 e 2 e 3 e 4 1 a 23 a 4

<http://stringskills.com/wp-content/RhyWkshtpdfs/RhyWksht2.pdf>  
<http://stringskills.com/wp-content/RhyWkshtpdfs/RhyWksht6.pdf>

GO TO THE WORKSHEETS AND PRACTICE WRITING IN  
AND SAYING THE DOTTED RHYTHMS.

# 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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