

Music and Math Part 1

Learn and Practice

By Gena Mayo
Music in Our Homeschool

<https://Learn.MusicinOurHomeschool.com>

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Who is Gena?

Gena Mayo is a homeschooling mom of 8 who also taught in public schools for 5 years.
She has been teaching music in various forms for the last 23 years.

Contact Gena at genamayo@att.net
or through her websites [I Choose Joy!](#) or [Music in Our Homeschool](#)
Gena also has an online course site called [Learn.MusicinOurHomeschool](#) .

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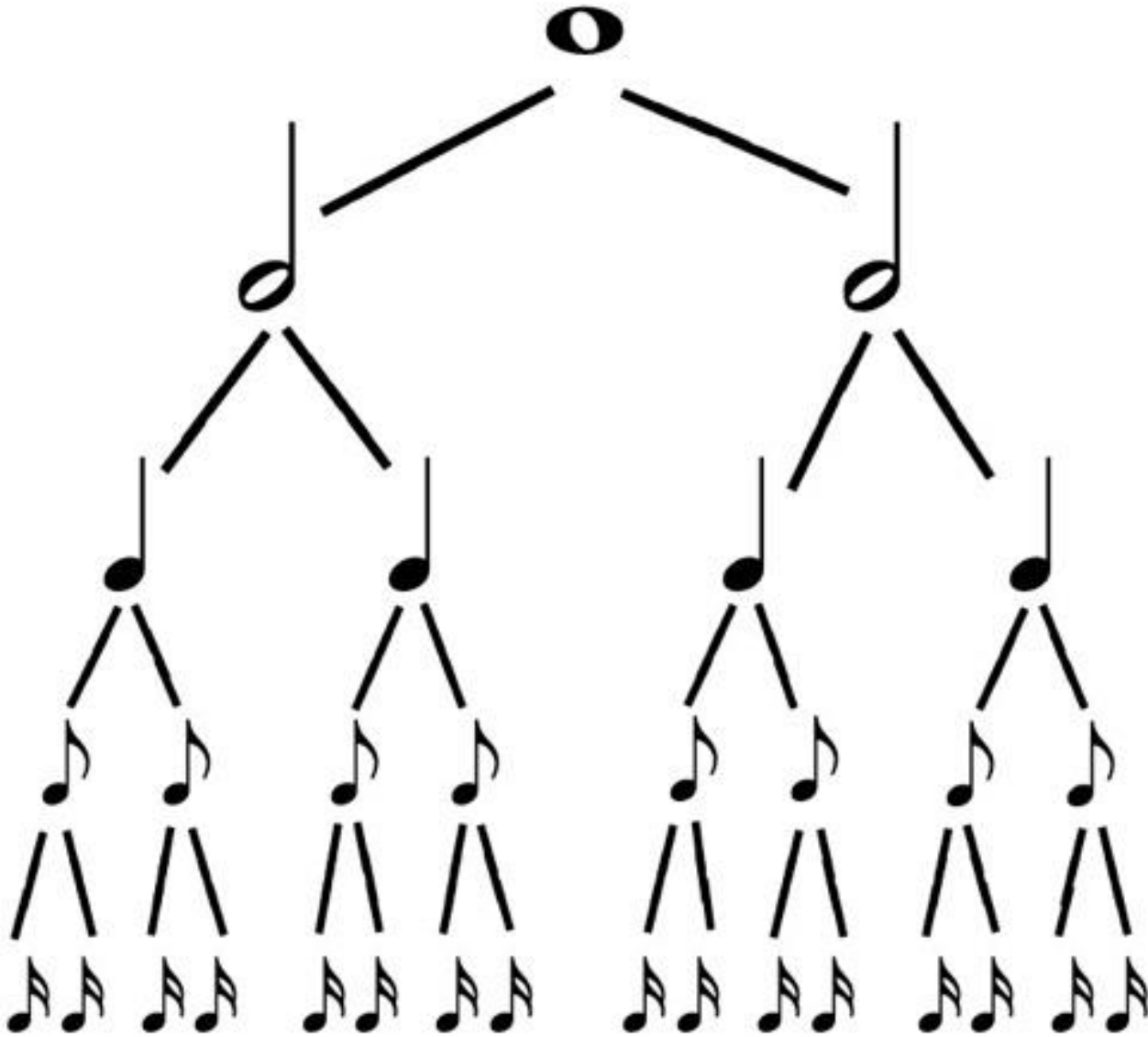
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Music and Math

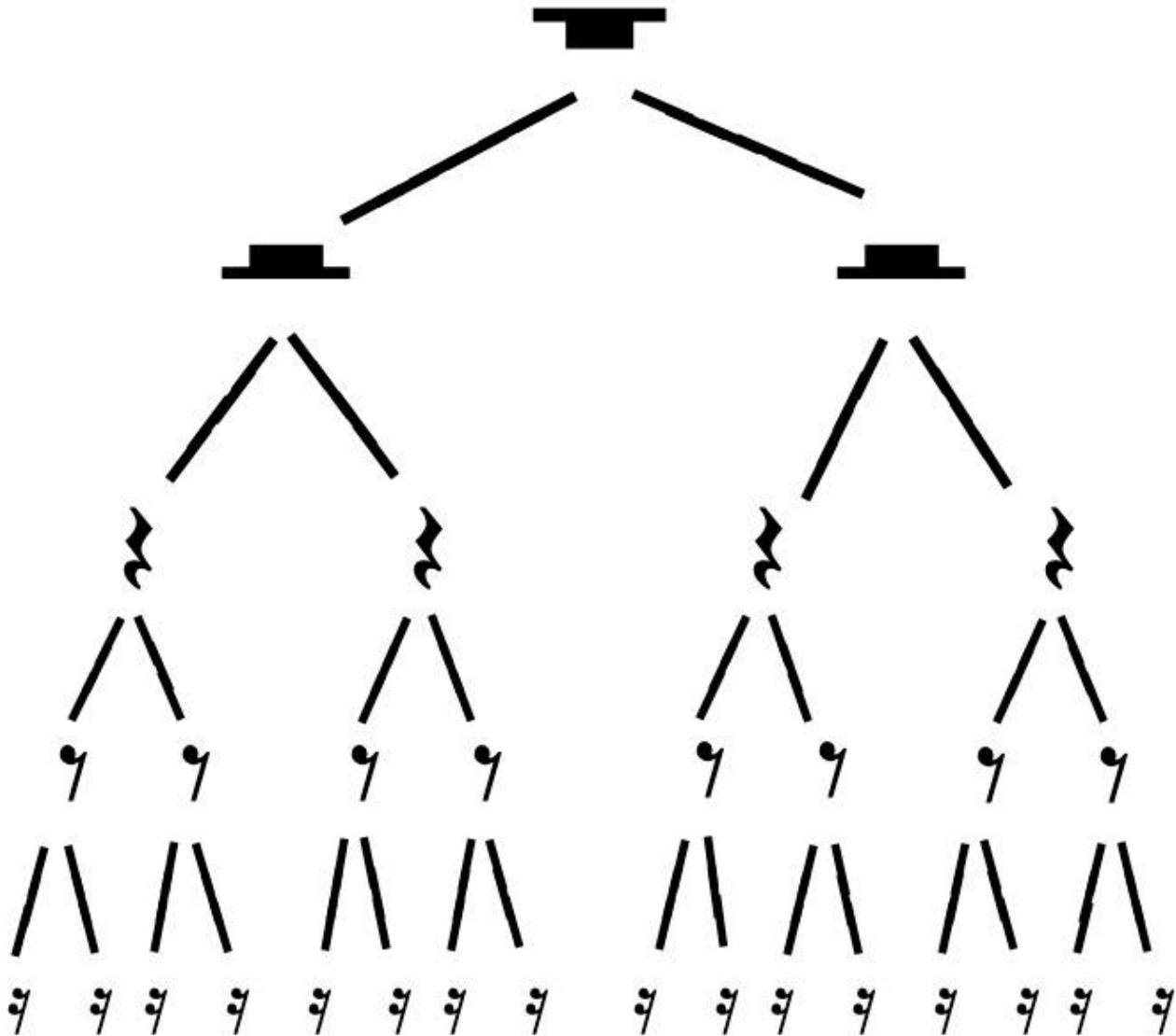



○ = whole note 4 beats


◐ = half note 2 beats ◑ = quarter note 1 beat



◒ = eighth note 1/2 beat ◓ = sixteenth note 1/4 beat

Music and Math



 = whole rest 4 beats

 = half rest 2 beats  = quarter rest 1 beat

 = eighth rest 1/2 beat  = sixteenth rest 1/4 beat

Music and Math

How many beats?

$$\bigcirc = \underline{\hspace{2cm}}$$

$$\text{♩} + \text{♩} = \underline{\hspace{2cm}}$$

$$\text{♩} + \text{♩} + \text{♩} + \text{♩} = \underline{\hspace{2cm}}$$

$$\text{♪} + \text{♪} + \text{♪} + \text{♪} + \text{♪} + \text{♪} + \text{♪} + \text{♪} = \underline{\hspace{2cm}}$$

$$\text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} = \underline{\hspace{2cm}}$$

\bigcirc = whole note 4 beats

♩ = half note 2 beats ♩ = quarter note 1 beat

♪ = eighth note 1/2 beat ♩ = sixteenth note 1/4 beat

Music and Math

How many beats?


$$\text{half note} + \text{whole note} = \underline{\hspace{2cm}}$$

$$\text{half note} + \text{quarter note} = \underline{\hspace{2cm}}$$

$$\text{quarter note} + \text{quarter note} + \text{quarter note} = \underline{\hspace{2cm}}$$

$$\text{quarter note} + \text{quarter note} + \text{eighth note} + \text{eighth note} = \underline{\hspace{2cm}}$$

$$\text{quarter note} + \text{quarter note} + \text{eighth note} + \text{sixteenth note} + \text{sixteenth note} = \underline{\hspace{2cm}}$$

 = whole note 4 beats

 = half note 2 beats  = quarter note 1 beat

 = eighth note 1/2 beat  = sixteenth note 1/4 beat

Music and Math

How many beats?

$$\text{♩} + \text{♩} + \text{♩} = \underline{\hspace{2cm}}$$

$$\text{♩} + \text{♩} + \text{♪} + \text{♪} = \underline{\hspace{2cm}}$$

$$\text{♩} + \text{♩} + \text{♫} + \text{♫} + \text{♫} + \text{♫} = \underline{\hspace{2cm}}$$

$$\text{♩} + \text{♪} + \text{♪} = \underline{\hspace{2cm}}$$

$$\text{♩} + \text{♩} + \text{♪} + \text{♫} + \text{♫} + \text{♩} = \underline{\hspace{2cm}}$$

♩ = whole note 4 beats

♩ = half note 2 beats ♩ = quarter note 1 beat

♪ = eighth note 1/2 beat ♫ = sixteenth note 1/4 beat

Music and Math

How many beats?

$$\text{—} = \underline{\hspace{2cm}}$$

$$\text{—} + \text{—} = \underline{\hspace{2cm}}$$

$$\text{>} + \text{>} + \text{>} + \text{>} = \underline{\hspace{2cm}}$$

$$\text{v} + \text{v} + \text{v} + \text{v} + \text{v} + \text{v} + \text{v} + \text{v} = \underline{\hspace{2cm}}$$

$$\text{v} + \text{v} + \text{v} + \text{v} + \text{v} + \text{v} + \text{v} + \text{v} + \text{v} + \text{v} + \text{v} + \text{v} + \text{v} + \text{v} + \text{v} + \text{v} + \text{v} = \underline{\hspace{2cm}}$$

— = whole rest 4 beats

— = half rest 2 beats > = quarter rest 1 beat

v = eighth rest 1/2 beat v = sixteenth rest 1/4 beat

Music and Math

How many beats?

$$\text{—} + \text{—} = \underline{\hspace{2cm}}$$

$$\text{—} + \text{>} = \underline{\hspace{2cm}}$$

$$\text{>} + \text{>} + \text{>} = \underline{\hspace{2cm}}$$

$$\text{>} + \text{>} + \text{8} + \text{8} = \underline{\hspace{2cm}}$$

$$\text{—} + \text{>} + \text{8} + \text{16} + \text{16} = \underline{\hspace{2cm}}$$

— = whole rest 4 beats

— = half rest 2 beats > = quarter rest 1 beat

8 = eighth rest 1/2 beat 16 = sixteenth rest 1/4 beat

Music and Math

How many beats?


$$\text{—} + \text{ } \} + \text{—} = \underline{\hspace{2cm}}$$



$$\text{—} + \text{ } \} + \text{ } \text{ } + \text{ } \text{ } = \underline{\hspace{2cm}}$$



$$\text{ } \text{ } + \text{ } \text{ } + \text{ } \text{ } + \text{ } \text{ } + \text{ } \text{ } = \underline{\hspace{2cm}}$$

$$\text{—} + \text{ } \text{ } + \text{ } \text{ } = \underline{\hspace{2cm}}$$

$$\text{—} + \text{—} + \text{ } \text{ } + \text{ } \text{ } + \text{ } \text{ } + \text{ } \text{ } = \underline{\hspace{2cm}}$$

 = whole rest 4 beats

 = half rest 2 beats  = quarter rest 1 beat

 = eighth rest 1/2 beat  = sixteenth rest 1/4 beat

Music and Math

How many beats?

$$\bigcirc = \underline{4 \text{ beats}}$$

$$\text{♩} + \text{♩} = \underline{4 \text{ beats}}$$

$$\text{♩} + \text{♩} + \text{♩} + \text{♩} = \underline{4 \text{ beats}}$$

$$\text{♪} + \text{♪} + \text{♪} + \text{♪} + \text{♪} + \text{♪} + \text{♪} + \text{♪} = \underline{4 \text{ beats}}$$

$$\text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} = \underline{4 \text{ beats}}$$

♩ = whole note 4 beats

♩ = half note 2 beats ♩ = quarter note 1 beat

♪ = eighth note 1/2 beat ♪ = sixteenth note 1/4 beat

Music and Math

How many beats?


$$\text{half note} + \text{whole note} = \underline{6 \text{ beats}}$$

$$\text{half note} + \text{half note} = \underline{3 \text{ beats}}$$

$$\text{quarter note} + \text{quarter note} + \text{quarter note} = \underline{3 \text{ beats}}$$

$$\text{quarter note} + \text{quarter note} + \text{eighth note} + \text{eighth note} = \underline{3 \text{ beats}}$$

$$\text{quarter note} + \text{quarter note} + \text{eighth note} + \text{sixteenth note} + \text{sixteenth note} = \underline{4 \text{ beats}}$$

 = whole note 4 beats

 = half note 2 beats  = quarter note 1 beat

 = eighth note 1/2 beat  = sixteenth note 1/4 beat

Music and Math

How many beats?

$$\text{♩} + \text{♩} + \text{♩} = \underline{7 \text{ beats}}$$

$$\text{♩} + \text{♩} + \text{♪} + \text{♪} = \underline{4 \text{ beats}}$$

$$\text{♩} + \text{♩} + \text{♫} + \text{♫} + \text{♫} + \text{♫} = \underline{3 \text{ beats}}$$

$$\text{♩} + \text{♪} + \text{♪} = \underline{5 \text{ beats}}$$

$$\text{♩} + \text{♩} + \text{♪} + \text{♫} + \text{♫} + \text{♩} = \underline{6 \text{ beats}}$$

♩ = whole note 4 beats

♩ = half note 2 beats ♩ = quarter note 1 beat

♪ = eighth note 1/2 beat ♫ = sixteenth note 1/4 beat

Music and Math

How many beats?

$$\text{♩} = \underline{4 \text{ beats}}$$

$$\text{♩} + \text{♩} = \underline{4 \text{ beats}}$$

$$\text{♪} + \text{♪} + \text{♪} + \text{♪} = \underline{4 \text{ beats}}$$

$$\text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} = \underline{4 \text{ beats}}$$

$$\text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} + \text{♩} = \underline{4 \text{ beats}}$$

♩ = whole rest 4 beats

♩ = half rest 2 beats ♪ = quarter rest 1 beat

♩ = eighth rest 1/2 beat ♩ = sixteenth rest 1/4 beat

Music and Math

How many beats?

$$\text{—} + \text{—} = \underline{6 \text{ beats}}$$

$$\text{—} + \text{>} = \underline{3 \text{ beats}}$$

$$\text{>} + \text{>} + \text{>} = \underline{3 \text{ beats}}$$

$$\text{>} + \text{>} + \text{9} + \text{9} = \underline{3 \text{ beats}}$$

$$\text{—} + \text{>} + \text{9} + \text{9} + \text{9} = \underline{4 \text{ beats}}$$

— = whole rest 4 beats

— = half rest 2 beats > = quarter rest 1 beat

9 = eighth rest 1/2 beat 9 = sixteenth rest 1/4 beat

Music and Math

How many beats?

$$\text{—} + \{ + \text{—} = \underline{7 \text{ beats}}$$

$$\text{—} + \{ + \text{♪} + \text{♪} = \underline{4 \text{ beats}}$$

$$\{ + \{ + \text{♩} + \text{♩} + \text{♩} + \text{♩} = \underline{3 \text{ beats}}$$

$$\text{—} + \text{♪} + \text{♪} = \underline{5 \text{ beats}}$$

$$\text{—} + \text{—} + \text{♪} + \text{♩} + \text{♩} + \{ = \underline{6 \text{ beats}}$$

— = whole rest 4 beats

— = half rest 2 beats $\{$ = quarter rest 1 beat

♪ = eighth rest 1/2 beat ♩ = sixteenth rest 1/4 beat