

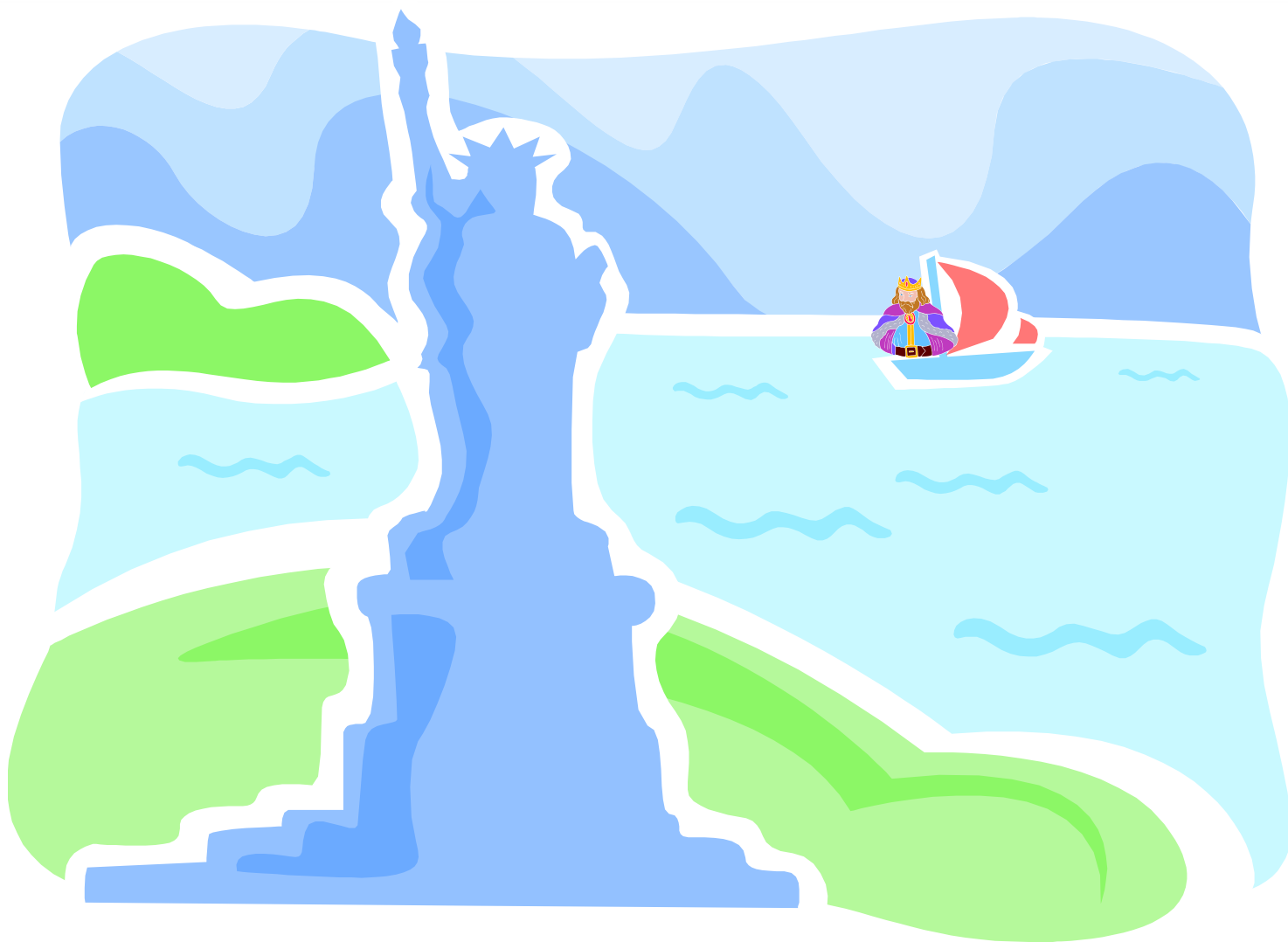


# The Grand Old Duke Of New York

Song variation  
Part 3.

Math for your  
ears!

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Vocabulary review:

Time Signature: It tells you how the music should be counted.

Measure: A specific number of beats defined by the time signature.

Bar Line: A vertical straight line between measures.

Example:

Count: 1, 2,      1, 2,      1, 2,      1, 2.

The diagram illustrates musical notation in 2/4 time. It shows four measures, each containing two quarter notes. The first measure is labeled with a '2' over a '4' and an orange arrow pointing to it from the text 'Time signature'. The first two measures are grouped by a bracket with an orange arrow pointing to it from the text 'Measure'. The vertical lines separating the measures are labeled with an orange arrow pointing to one from the text 'Bar Line'. The notation ends with a double bar line.

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Answer page:  
(Part 1.)

- 1) You just heard 8 measures.
- 2) There were 6 beats in each measure.
- 3) So there were 48 beats altogether in the whole piece.

Explanation : 8 groups of 6 beats = 48 beats  
 $8 * 6 = 48$





# The Grand Old Duke Of New York

Song variation

Part 3.

## Answer page (Part 2.)

6/4 time signature. The first staff contains 18 notes: six 'Do's, four 'Do's, and six 'Mi's. The second staff contains 18 notes: six 'Mi's, four 'Mi's, and six 'Re's. The third staff contains 12 notes: six 'Mi's, four 'Do's, and two 'Do's.

6/4  
Do Do Do Do Do Do | Do Do Do Do Do Re | Mi Mi Mi Mi Mi Mi  
6/4  
Mi Mi Mi Mi Mi Re | Mi Mi Mi Mi Mi Mi | Mi Mi Mi Mi Mi Re  
6/4  
Mi Mi Mi Re Re Re | Do Do Do Do Do Do ||



# Create you own music game!



Here is how:

1. Print out the "Create you own music" page.
2. Make a musical piece and write the name of each note right below the note itself.
3. Play your musical piece (or just a part of it) first, using your tablet or keyboard.
4. Ask the following questions:
  - "How many measures did you just hear?"
  - "How many beats were in each measure?"
  - "So how many beats were there altogether in the whole piece?"

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Name: \_\_\_\_\_

Create your own music!

Use the following 3 notes: Do, Re and Mi.



\_\_\_\_\_



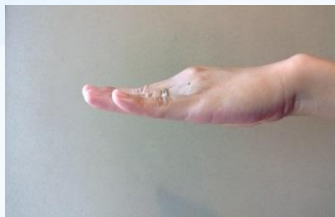
\_\_\_\_\_

(Make sure that you only use Do, Re and Mi!)

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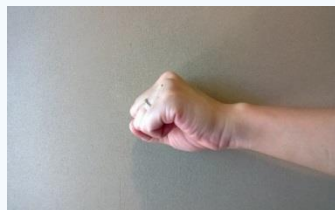
## Hand Signs



Note B (Mi)



Note A (Re)



Note G (Do)

## Recorder Fingering Chart



Left Hand Fingers:  
Front: Pointer  
Back: Thumb



Left Hand Fingers:  
Front: Pointer &  
Middle  
Back: Thumb



Left Hand Fingers:  
Front: Pointer,  
Middle & Ring  
Back: Thumb

## Music Notes





*You are fantastic!  
Thank you!*

