**5th grade/6th grade**

 Big Idea Math Unit 5

Understanding fractions

Theme: 16th notes in hierarchy of notation

**Math /ELA**  **Music**

  Number & Operations-Fractions Notes, whole, half quarter, 8th

1. Explain why a fraction is equal to another fraction using visual 16th note beat/rhythm,

models w/attention to number & size of the fractions differ. singing, tempo

 Measurement & Data

1. Convert among different size measurement units within a given measurement system.

Represent & interpret data

1. Make a line plot to display data of measurement in fractions. Use operations to solve problems involving info presented in the line plots.

**Common Core and Readiness:**

 NF4.2.A.1/MD.5.A.1/MD.5.B.2

**Music Objectives:**

 S1.C1.PO3/S1.C1.PO4/S1.C5.PO2/S2.C1.PO3/S3.C3.PO1

Measurement/Fractions: 16th & hierarchy of notes in notation

Vocabulary: Vocabulary word for lesson: **16th note-** A note having 1/16 of a beat

**Objective** I can show understanding of 16th notes using measurement and fractions with the hierarchy of notes.

1. Review notes that they know with pair share w/pair share
2. Introduce 16th notes- review counting of and clap out. Count and clap out all notes.
3. Talk to kids about measurement and fractions-show the ruler on from projector and show the fractions of the notes are located.
4. Pass out paper- do the note tree starting with the whole note to the 16th .
5. Pass out ruler pape/lapboard- Have students place all notes on ruler.(hierarchy of notes) Monitor to make sure all understand.
6. Closure: **Lap boards**/**Paper** Have students write notes of the “Salamanca Market” p.149 4:16(reference only) song on ruler paper to show understanding of measurement/fractions of the notes used in the song. Clap out.