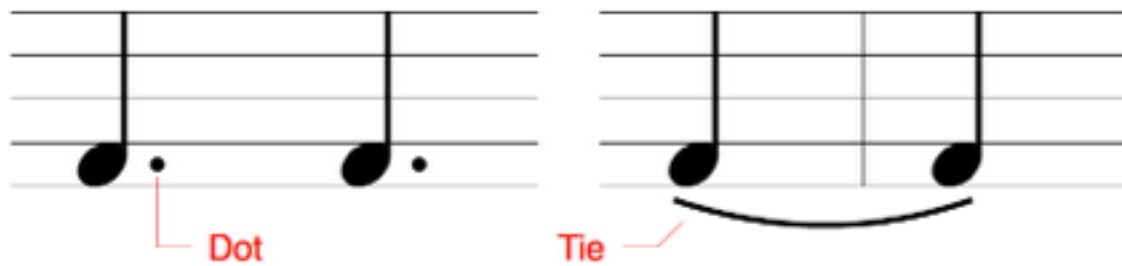


Dots and Ties



Augmentation dots and **tenuto ties** are two types of markings used to alter a note's duration. A dot increases a note's value by one half. Since an eighth note is half the duration of the quarter note, the dotted quarter notes above are worth one quarter note & one eighth note without break in the note. A dotted quarter note is also equal to three eighth notes, if that's an easier way of thinking about their values.



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 the example to the right. If the measure line were not there, we could have written a half note instead.



Use the following chart for reference to augmentation dots:

$\text{Dotted Quarter} = \text{Quarter} + \text{Eighth}$	$\text{Dotted Half} = \text{Half} + \text{Quarter} + \text{Quarter}$
$\text{Dotted Quarter} = \text{Quarter} + \text{Eighth}$	$\text{Dotted Half} = \text{Quarter} + \text{Quarter} + \text{Quarter}$
$\text{Dotted Eighth} = \text{Quarter} + \text{Sixteenth}$	$\text{Dotted Eighth} = \text{Quarter} + \text{Sixteenth} + \text{Sixteenth}$