

# Music Notation and Fractions

**Starter:**

**Add these fractions...**

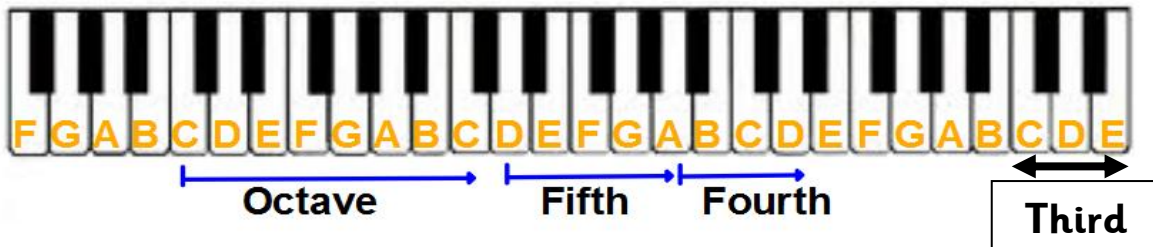
**(a)**  $\frac{1}{2} + \frac{3}{4}$

*one half is two quarters,  
so two quarters plus  
three quarters is five quarters*




**(b)**  $\frac{7}{12} + \frac{1}{4}$

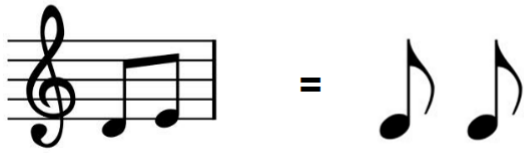
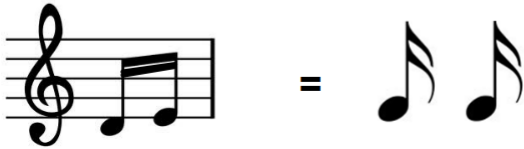
**(c)**  $\frac{2}{3} + \frac{4}{5}$

**(d)**  $\frac{5}{6} + \frac{1}{12}$







Interval	Number of Notes (length)	Change	Number of Notes after change	Fraction	Ratio Change: interval
Third	3 notes	Two thirds of length	2 notes	2/3	2:3
Octave		One quarter of length			
Fifth		Four fifths of length			
Fourth		Three quarters of length			

		
1	$\frac{1}{2}$	$\frac{1}{4}$

**What count is represented by:**

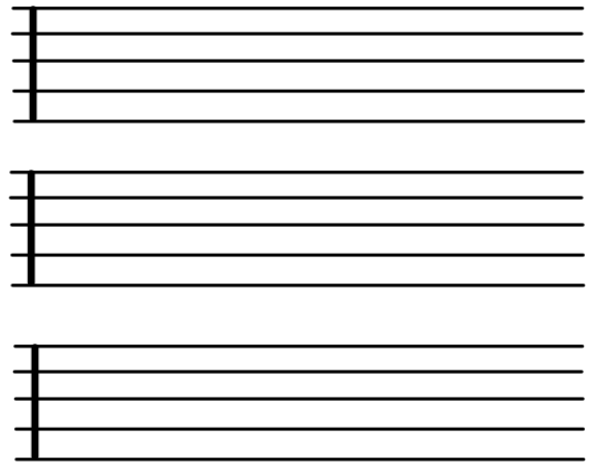
(a)  <input type="text"/>	(c)  <input type="text"/>
(b)  <input type="text"/>	(d)  <input type="text"/>

**What count is shown in each of these three bars?**

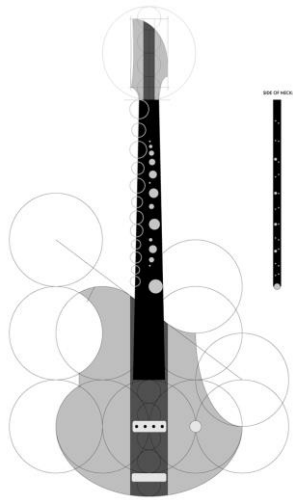


<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------

Write some notes to represent a count of this many beats in a bar:



- (a) 1.25
- (b) 4
- (c) 3.5



**Using geometric shapes, design a stringed instrument using the different string lengths from the lesson to select the notes.**

