

MathFLIX CHALLENGE

Music/Math Connection

Music is written on a 5 line staff and is divided into measures. The time signature at the beginning of the staff, determines the music's tempo. Look at the time signature of the music below and add the correct notes or rests to complete each measure.

ADD	one note	two notes	three notes	one rest
$\frac{4}{4}$				
$\frac{3}{4}$				
$\frac{2}{4}$				

Study this table to see how math and music notation are related. Then cut out the 24 sections and time yourself to see how fast you can reassemble the table correctly.

Note	Rest	Name	Fraction Value
		whole	$1 = \frac{2}{2} = \frac{4}{4} = \frac{8}{8} = \frac{16}{16} = \frac{32}{32}$
		half	$\frac{1}{2} = \frac{2}{4} = \frac{4}{8} = \frac{8}{16} = \frac{16}{32}$
		quarter	$\frac{1}{4} = \frac{2}{8} = \frac{4}{16} = \frac{8}{32}$
		eighth	$\frac{1}{8} = \frac{2}{16} = \frac{4}{32}$
		sixteenth	$\frac{1}{16} = \frac{2}{32}$
		thirty-second	$\frac{1}{32}$