

T.I.P.P. SERIES FOR HARP QUARTET  
(THEORY IN PRACTICE AND PERFORMANCE)

UNIT: RHYTHM

LEVEL: BEGINNING

# Musical Time

*Clockwork*  
*Tick-Tock*  
*Intervals*

*(Theory Worksheet Included)*

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## **ABOUT THE T.I.P.P. SERIES**

The T.I.P.P. Series (Theory in Practice and Performance) is a multi-level set of instructional and performance pieces designed to introduce student harpists to the fundamentals of theory – harmony and rhythm. The pieces contained in each set may also be used as performance pieces in the form of a suite or stand-alone work.

The concept for the T.I.P.P. Series arose from the composers' interest in creating works for students in the H.I.P.P. program (Harp Instruction and Performance Program), an afterschool program that introduces young learners to the harp. Students were able to build their knowledge of theory as they developed technique on the harp. Each piece has "free-style fingering" which allows the instructor to craft fingering conducive to the level and physique of the student.

## **ABOUT MUSICAL TIME**

*Clockwork* depicts the layers of synchronized mechanisms found inside of a traditional clock. The piece begins with open fifths followed by an ostinato in duple meter that builds momentum. The melodic material is intertwined with the ostinato concluding with a splash of rhythmic glissandi.

*Tick-Tock* imitates the swinging pendulum of a grandfather clock with each downbeat. The accompaniment is played across the three beats in each measure (triple meter) in the style of a waltz. A lyrical melody glides across the accompaniment figure as dancers would across the floor of a ballroom.

*Interval* begins with a fanfare that fades into a melody reminiscent of a nursery rhyme. The title of this movement is in reference to the intervals of time. Musical phrases can be played in a canon when each part enters according to a set time interval in relation to the other parts. In this piece, the time intervals are every four beats (quadruple meter).

*Musical Motions* can be paired with *Musical Time* to create the suite below.

### *Motions and Time*

Step, Skip, Jump

Leap, Soar, Fly

Five Tone Blues

Clockwork

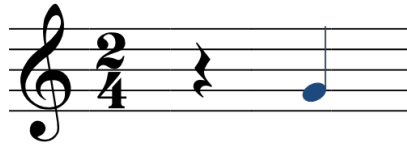
Tick-Tock

Intervals

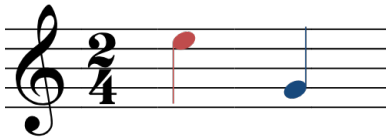
# Musical Time Worksheet

Music and time are alike in so many ways. Music has a steady pulse along with different groupings of beats. The following exercises will help you to identify the various types of meters found in each movement of *Musical Time*.

Once upon a time there was a lonely beat.

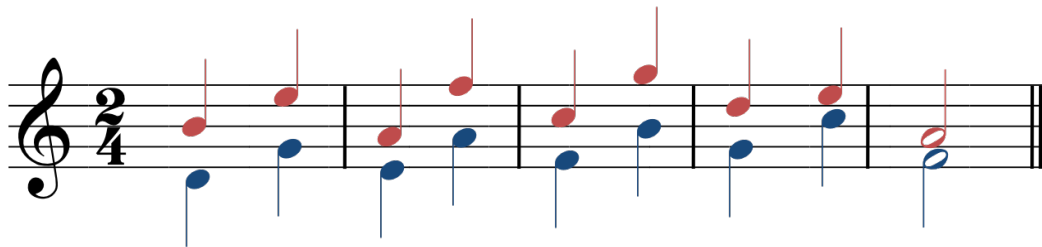


One day the lonely beat met another beat walking down the staff.

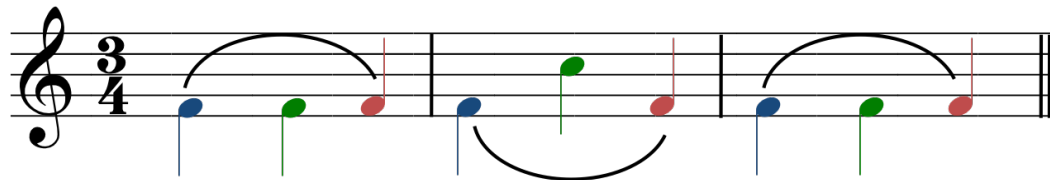


The two beats became friends completing the measure.

They played on the staff jumping over the barlines in rhythm. The two beats kept a steady pulse in two creating **duple** meter – two beats per measure.



The two beats wanted to play a game of jump rope. However, they needed a third beat to play the game. Soon after, another beat walked up to them on the staff with a jump rope. The three beats began to play a game of jump rope creating **triple** meter – three beats per measure.



The three beats were having so much fun that another beat walked up to them to play along. The fourth beat joined in and they all played together creating **quadruple** meter – four beats per measure.



## Musical Time Worksheet, continued

Now it is your turn to explore the various meters of Musical Time! Complete each of the following exercises using the notes/pitches below:

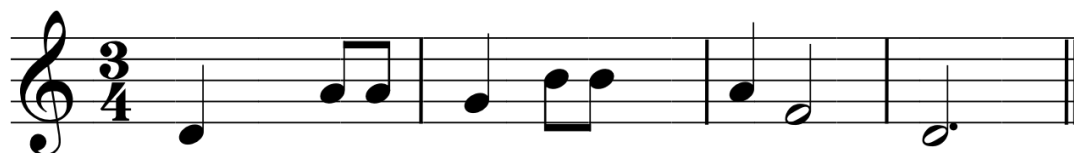
### *Clockwork*

Remember ***duple meter*** has two beats per measure. Fill in the missing beats.



### *Tick-Tock*

Remember ***triple meter*** has three beats per measure. Fill in the missing beats.



### *Interval*

Remember ***quadruple meter*** has four beats per measure. Fill in the missing beats.

Two musical staves in treble clef with a 4/4 time signature. The first staff contains six measures of music. The notes are: Measure 1: quarter note G4, quarter note A4; Measure 2: quarter note G4, quarter note A4; Measure 3: quarter note G4, quarter note A4; Measure 4: eighth note G4, eighth note A4, eighth note B4, eighth note C5; Measure 5: quarter note G4; Measure 6: quarter note G4, quarter note A4. The second staff contains three measures of music. The notes are: Measure 1: eighth note G4, eighth note A4, eighth note B4, eighth note C5; Measure 2: quarter note G4, quarter note A4; Measure 3: quarter note G4, quarter note A4. Both staves end with a double bar line.

# Musical Time

## 1. Clockwork

Maurice Draughn

Steady ♩ = 100

The score is for four harps (Hp. 1, 2, 3, 4) in 2/4 time. The tempo is marked 'Steady ♩ = 100'. The key signature has one flat (B-flat). The score is divided into two systems of four staves each. Each harp part has a treble and bass clef. Dynamic markings include *p*, *mp*, *mf*, and *f*. Articulation symbols (two vertical lines) are placed above the first and third notes of the first measure in each harp part. The first system covers measures 1-16, and the second system covers measures 17-32. The harp parts are interwoven, with each harp playing a distinct melodic line.