

INSIDE THE CIRCLE:

A PROVEN METHOD FOR A SUCCESSFUL MARCHING BAND

By Matt and Ben Harloff

WOODWIND CHAPTER

FLUTE PART

2nd Edition

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Mouthpiece Exercises

Please note: All notes are concert pitch

Low A = closed head joint ... High E = closed head joint over blown

A Above Staff = open head joint ... High A = open head joint over blown

Exercise #1

Musical notation for Exercise #1, a single staff in treble clef with a common time signature. The exercise consists of a sequence of notes: a half note G4, a half note A4, a quarter rest, a half note B4, a half note C5, a quarter rest, a half note D5, a half note E5, a quarter rest, a half note F5, a half note G5, a quarter rest, a half note A5, a half note B5, a quarter rest, a half note C6, and a half note D6. Above the notes, there are fingerings: G4 (1-2), A4 (1-2), B4 (1-2), C5 (1-2), D5 (1-2), E5 (1-2), F5 (1-2), G5 (1-2), A5 (1-2), B5 (1-2), C6 (1-2), and D6 (1-2). A circled 'C' is placed above the final note D6.

Exercise #2

Musical notation for Exercise #2, a single staff in treble clef with a common time signature. The exercise consists of a sequence of notes: a half note G4, a half note A4, a quarter rest, a half note B4, a half note C5, a quarter rest, a half note D5, a half note E5, a quarter rest, a half note F5, a half note G5, a quarter rest, a half note A5, a half note B5, a quarter rest, a half note C6, and a half note D6. Above the notes, there are fingerings: G4 (1-2), A4 (1-2), B4 (1-2), C5 (1-2), D5 (1-2), E5 (1-2), F5 (1-2), G5 (1-2), A5 (1-2), B5 (1-2), C6 (1-2), and D6 (1-2). A circled 'C' is placed above the final note D6.

Exercise #3

Musical notation for Exercise #3, consisting of two staves in treble clef with a common time signature. The first staff contains notes: a half note G4, a half note A4, a quarter rest, a half note B4, a half note C5, a quarter rest, a half note D5, a half note E5, a quarter rest, a half note F5, a half note G5, a quarter rest, a half note A5, a half note B5, a quarter rest, a half note C6, and a half note D6. Above the notes, there are fingerings: G4 (1-2), A4 (1-2), B4 (1-2), C5 (1-2), D5 (1-2), E5 (1-2), F5 (1-2), G5 (1-2), A5 (1-2), B5 (1-2), C6 (1-2), and D6 (1-2). A circled 'C' is placed above the final note D6. The second staff contains notes: a half note G4, a half note A4, a quarter rest, a half note B4, a half note C5, a quarter rest, a half note D5, a half note E5, a quarter rest, a half note F5, a half note G5, a quarter rest, a half note A5, a half note B5, a quarter rest, a half note C6, and a half note D6. Above the notes, there are fingerings: G4 (1-2), A4 (1-2), B4 (1-2), C5 (1-2), D5 (1-2), E5 (1-2), F5 (1-2), G5 (1-2), A5 (1-2), B5 (1-2), C6 (1-2), and D6 (1-2). A circled 'C' is placed above the final note D6.

Embouchure Development

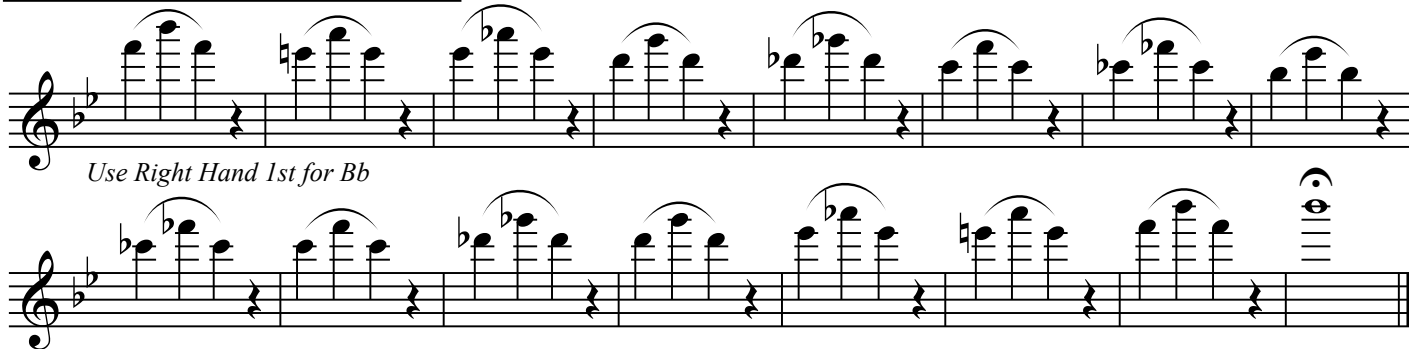
Exercise #1 - Perfect 4th Low-High



Use Right Hand 1st for Bb

Exercise #1 consists of two staves of music in 2/4 time, key of Bb. The first staff contains eight measures of quarter notes with slurs, starting on G4 and moving up and down. The second staff continues the exercise, ending with a final G4 note.

Exercise #1a - Perfect 4th Low-High



Use Right Hand 1st for Bb

Exercise #1a consists of two staves of music in 2/4 time, key of Bb. The notes are beamed in groups of four, with slurs over each group. The first staff contains eight measures, and the second staff contains eight measures, ending with a final G4 note.

Exercise #2 - Perfect 5th Low-High



Use Right Hand 1st for Bb

Exercise #2 consists of two staves of music in 2/4 time, key of Bb. The first staff contains eight measures of quarter notes with slurs, starting on G4 and moving up and down. The second staff continues the exercise, ending with a final G4 note.

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Exercise #2a - Perfect 5th Low-High

Use Right Hand 1st for Bb

This exercise consists of two staves of music in the key of Bb major. The first staff contains eight measures of eighth-note pairs, each beamed together and marked with a slur. The notes are: G4-A4, A4-Bb4, Bb4-A4, A4-G4, G4-A4, A4-Bb4, Bb4-A4, and A4-G4. The second staff contains eight measures of eighth-note pairs, each beamed together and marked with a slur. The notes are: Bb4-A4, A4-G4, G4-A4, A4-Bb4, Bb4-A4, A4-G4, G4-A4, and A4-Bb4. The key signature has two flats (Bb and Eb).

Exercise #3 - Minor 6th Low-High

Use Right Hand 1st for Bb

This exercise consists of two staves of music in the key of Bb major. The first staff contains eight measures of eighth-note pairs, each beamed together and marked with a slur. The notes are: G4-A4, A4-Bb4, Bb4-A4, A4-G4, G4-A4, A4-Bb4, Bb4-A4, and A4-G4. The second staff contains eight measures of eighth-note pairs, each beamed together and marked with a slur. The notes are: Bb4-A4, A4-G4, G4-A4, A4-Bb4, Bb4-A4, A4-G4, G4-A4, and A4-Bb4. The key signature has two flats (Bb and Eb).

Exercise #3a - Minor 6th Low-High

Use Right Hand 1st for Bb

This exercise consists of two staves of music in the key of Bb major. The first staff contains eight measures of eighth-note pairs, each beamed together and marked with a slur. The notes are: G4-A4, A4-Bb4, Bb4-A4, A4-G4, G4-A4, A4-Bb4, Bb4-A4, and A4-G4. The second staff contains eight measures of eighth-note pairs, each beamed together and marked with a slur. The notes are: Bb4-A4, A4-G4, G4-A4, A4-Bb4, Bb4-A4, A4-G4, G4-A4, and A4-Bb4. The key signature has two flats (Bb and Eb).

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Exercise #4 - Perfect 4th High-Low

Use Right Hand 1st for Bb

Exercise #4 consists of two staves of music. The first staff contains eight measures of music, each with a slur over a pair of notes (a perfect fourth interval) and a quarter rest. The notes are: G4-A4, F4-G4, E4-F4, D4-E4, C4-D4, B3-C4, A3-B3, and G3-A3. The second staff contains eight measures of music, each with a slur over a pair of notes (a perfect fourth interval) and a quarter rest. The notes are: Bb4-A4, Ab4-G4, G4-F4, F4-E4, E4-D4, D4-C4, Bb3-A3, and G3-A3. The key signature has two flats (Bb and Eb).

Exercise #4a - Perfect 4th High-Low

Use Right Hand 1st for Bb

Exercise #4a consists of two staves of music. The first staff contains eight measures of music, each with a slur over a pair of notes (a perfect fourth interval) and a quarter rest. The notes are: G4-A4, F4-G4, E4-F4, D4-E4, C4-D4, B3-C4, A3-B3, and G3-A3. The second staff contains eight measures of music, each with a slur over a pair of notes (a perfect fourth interval) and a quarter rest. The notes are: Bb4-A4, Ab4-G4, G4-F4, F4-E4, E4-D4, D4-C4, Bb3-A3, and G3-A3. The key signature has two flats (Bb and Eb).

Exercise #5 - Perfect 5th High-Low

Use Right Hand 1st for Bb

Exercise #5 consists of two staves of music. The first staff contains eight measures of music, each with a slur over a pair of notes (a perfect fifth interval) and a quarter rest. The notes are: G4-A4, F4-G4, E4-F4, D4-E4, C4-D4, B3-C4, A3-B3, and G3-A3. The second staff contains eight measures of music, each with a slur over a pair of notes (a perfect fifth interval) and a quarter rest. The notes are: Bb4-A4, Ab4-G4, G4-F4, F4-E4, E4-D4, D4-C4, Bb3-A3, and G3-A3. The key signature has two flats (Bb and Eb).

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Exercise #5a - Perfect 5th High-Low

Use Right Hand 1st for Bb

This exercise consists of two staves of music in the key of Bb major. The first staff contains eight measures of music, each featuring a pair of eighth notes beamed together, with a slur above them. The notes in each measure are: (1) G4, A4; (2) A4, Bb4; (3) Bb4, C5; (4) C5, D5; (5) D5, Eb5; (6) Eb5, E5; (7) E5, F5; (8) F5, G5. The second staff contains eight measures of music, each featuring a pair of eighth notes beamed together, with a slur above them. The notes in each measure are: (1) G4, F4; (2) F4, E4; (3) E4, D4; (4) D4, C4; (5) C4, Bb3; (6) Bb3, Ab3; (7) Ab3, G3; (8) G3, F3. The final note of the second staff, F3, is marked with a fermata.

Exercise #6 - Minor 6th High-Low

Use Right Hand 1st for Bb

This exercise consists of two staves of music in the key of Bb major. The first staff contains eight measures of music, each featuring a pair of eighth notes beamed together, with a slur above them. The notes in each measure are: (1) G4, F4; (2) F4, E4; (3) E4, D4; (4) D4, C4; (5) C4, Bb3; (6) Bb3, Ab3; (7) Ab3, G3; (8) G3, F3. The second staff contains eight measures of music, each featuring a pair of eighth notes beamed together, with a slur above them. The notes in each measure are: (1) G4, A4; (2) A4, Bb4; (3) Bb4, C5; (4) C5, D5; (5) D5, Eb5; (6) Eb5, E5; (7) E5, F5; (8) F5, G5. The final note of the second staff, G5, is marked with a fermata.

Exercise #6a - Minor 6th High-Low

Use Right Hand 1st for Bb

This exercise consists of two staves of music in the key of Bb major. The first staff contains eight measures of music, each featuring a pair of eighth notes beamed together, with a slur above them. The notes in each measure are: (1) G4, A4; (2) A4, Bb4; (3) Bb4, C5; (4) C5, D5; (5) D5, Eb5; (6) Eb5, E5; (7) E5, F5; (8) F5, G5. The second staff contains eight measures of music, each featuring a pair of eighth notes beamed together, with a slur above them. The notes in each measure are: (1) G4, F4; (2) F4, E4; (3) E4, D4; (4) D4, C4; (5) C4, Bb3; (6) Bb3, Ab3; (7) Ab3, G3; (8) G3, F3. The final note of the second staff, F3, is marked with a fermata.

Fingering Exercises: 4 Note Cells

Pattern A A2 A3 A4

Pattern A consists of three measures labeled A2, A3, and A4. Each measure contains a four-note cell with a slur over the notes and repeat signs at the end of each measure. The notes in A2 are Bb, Ab, Gb, and F. The notes in A3 are Ab, Gb, F, and Eb. The notes in A4 are Gb, F, Eb, and D.

Pattern B B2 B3 B4

Pattern B consists of three measures labeled B2, B3, and B4. Each measure contains a four-note cell with a slur over the notes and repeat signs at the end of each measure. The notes in B2 are Ab, Gb, F, and Eb. The notes in B3 are Gb, F, Eb, and D. The notes in B4 are F, Eb, D, and C.

Pattern C C2 C3 C4

Pattern C consists of three measures labeled C2, C3, and C4. Each measure contains a four-note cell with a slur over the notes and repeat signs at the end of each measure. The notes in C2 are Gb, F, Eb, and D. The notes in C3 are F, Eb, D, and C. The notes in C4 are Eb, D, C, and Bb.

Pattern D D2 D3 D4

Pattern D consists of three measures labeled D2, D3, and D4. Each measure contains a four-note cell with a slur over the notes and repeat signs at the end of each measure. The notes in D2 are F, Eb, D, and C. The notes in D3 are Eb, D, C, and Bb. The notes in D4 are D, C, Bb, and Ab.

Use right hand side Bb key

Pattern E E2 E3 E4

Pattern E consists of three measures labeled E2, E3, and E4. Each measure contains a four-note cell with a slur over the notes and repeat signs at the end of each measure. The notes in E2 are Eb, D, C, and Bb. The notes in E3 are D, C, Bb, and Ab. The notes in E4 are C, Bb, Ab, and Gb.

Pattern F F2 F3 F4

Pattern F consists of three measures labeled F2, F3, and F4. Each measure contains a four-note cell with a slur over the notes and repeat signs at the end of each measure. The notes in F2 are D, C, Bb, and Ab. The notes in F3 are C, Bb, Ab, and Gb. The notes in F4 are Bb, Ab, Gb, and F.

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Fingering Exercises: 4 Note Cells

Pattern G

G2 G3 G4

Pattern G consists of four 4-note cells in G major. Each cell is a quarter-note scale starting on G4. The first cell (G2) has fingerings 1-2-3-4. The second cell (G3) has fingerings 1-2-3-4 with a flat on the second note (F#4). The third cell (G3) has fingerings 1-2-3-4 with a flat on the second note (F#4). The fourth cell (G4) has fingerings 1-2-3-4 with a flat on the second note (F#4).

Pattern H

H2 H3 H4

Pattern H consists of four 4-note cells in G major. Each cell is a quarter-note scale starting on G4. The first cell (H2) has fingerings 1-2-3-4. The second cell (H3) has fingerings 1-2-3-4. The third cell (H3) has fingerings 1-2-3-4. The fourth cell (H4) has fingerings 1-2-3-4.

Pattern I

I2 I3 I4

Keep right hand 1-2-3 down

Pattern I consists of four 4-note cells in G major. Each cell is a quarter-note scale starting on G4. The first cell (I2) has fingerings 1-2-3-4. The second cell (I3) has fingerings 1-2-3-4. The third cell (I3) has fingerings 1-2-3-4. The fourth cell (I4) has fingerings 1-2-3-4.

Pattern J

J2 J3 J4

Pattern J consists of four 4-note cells in G major. Each cell is a quarter-note scale starting on G4. The first cell (J2) has fingerings 1-2-3-4 with a flat on the second note (F#4). The second cell (J3) has fingerings 1-2-3-4 with a flat on the second note (F#4). The third cell (J3) has fingerings 1-2-3-4 with a flat on the second note (F#4). The fourth cell (J4) has fingerings 1-2-3-4 with a flat on the second note (F#4).

Pattern K

K2 K3 K4

Pattern K consists of four 4-note cells in G major. Each cell is a quarter-note scale starting on G4. The first cell (K2) has fingerings 1-2-3-4. The second cell (K3) has fingerings 1-2-3-4. The third cell (K3) has fingerings 1-2-3-4. The fourth cell (K4) has fingerings 1-2-3-4.

Pattern L

L2 L3 L4

Pattern L consists of four 4-note cells in G major. Each cell is a quarter-note scale starting on G4. The first cell (L2) has fingerings 1-2-3-4. The second cell (L3) has fingerings 1-2-3-4. The third cell (L3) has fingerings 1-2-3-4. The fourth cell (L4) has fingerings 1-2-3-4.

Fingering Exercises: 6 Note Cells

Pattern A

A2

A3



A4

A5

A6



Pattern B

B2

B3



B4

B5

B6



Pattern C

C2

C3



C4

C5

C6



Pattern D

D2

D3



Use right hand side Bb

D4

D5

D6



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Fingering Exercises: 6 Note Cells

Pattern E

Two measures of music for Pattern E. Measure E2 starts with a treble clef, a key signature of two flats (Bb, Eb), and a common time signature. It contains a six-note cell: E4, F#4, G4, A4, Bb4, C5. Measure E3 contains the same six-note cell. Both measures are repeated twice with repeat signs.

Use regular 4-5 F# or alternate 3-5

Two measures of music for Pattern E. Measure E4 contains the six-note cell: E4, F#4, G4, A4, Bb4, C5. Measure E6 contains the six-note cell: E4, F#4, G4, A4, Bb4, C5. Both measures are repeated twice with repeat signs.

Pattern F

Two measures of music for Pattern F. Measure F2 starts with a treble clef, a key signature of two flats (Bb, Eb), and a common time signature. It contains a six-note cell: F4, G4, Ab4, Bb4, C5, D5. Measure F4 contains the same six-note cell. Both measures are repeated twice with repeat signs.

Keep right hand down between F & Bb

Two measures of music for Pattern F. Measure F5 contains the six-note cell: F4, G4, Ab4, Bb4, C5, D5. Measure F8 contains the six-note cell: F4, G4, Ab4, Bb4, C5, D5. Both measures are repeated twice with repeat signs.

Two measures of music for Pattern F. Measure F9 contains the six-note cell: F4, G4, Ab4, Bb4, C5, D5. Measure F12 contains the six-note cell: F4, G4, Ab4, Bb4, C5, D5. Both measures are repeated twice with repeat signs.

Pattern G

Two measures of music for Pattern G. Measure G2 starts with a treble clef, a key signature of two flats (Bb, Eb), and a common time signature. It contains a six-note cell: G4, Ab4, Bb4, C5, D5, E5. Measure G4 contains the same six-note cell. Both measures are repeated twice with repeat signs.

Two measures of music for Pattern G. Measure G5 contains the six-note cell: G4, Ab4, Bb4, C5, D5, E5. Measure G8 contains the six-note cell: G4, Ab4, Bb4, C5, D5, E5. Both measures are repeated twice with repeat signs.

Two measures of music for Pattern G. Measure G9 contains the six-note cell: G4, Ab4, Bb4, C5, D5, E5. Measure G12 contains the six-note cell: G4, Ab4, Bb4, C5, D5, E5. Both measures are repeated twice with repeat signs.

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Fingering Exercises: 6 Note Cells

Pattern H

Pattern H exercises H1 through H4. Each exercise consists of a six-note cell (F4, G4, A4, B4, C5, D5) with a slur and repeat signs. H1 is the base pattern. H2, H3, and H4 are variations with different fingerings indicated by numbers above the notes.

Pattern H exercises H5 through H8. H5 and H6 continue the six-note cell pattern. H7 and H8 are variations with different fingerings indicated by numbers above the notes.

Pattern H exercises H9 through H12. H9 and H10 continue the six-note cell pattern. H11 and H12 are variations with different fingerings indicated by numbers above the notes.

Pattern I

Pattern I exercises I1 through I4. Each exercise consists of a six-note cell (F4, G4, A4, B4, C5, D5) with a slur and repeat signs. I1 is the base pattern. I2, I3, and I4 are variations with different fingerings indicated by numbers above the notes.

Pattern I exercises I5 through I8. I5 and I6 continue the six-note cell pattern. I7 and I8 are variations with different fingerings indicated by numbers above the notes.

Pattern I exercises I9 through I12. I9 and I10 continue the six-note cell pattern. I11 and I12 are variations with different fingerings indicated by numbers above the notes.

Pattern J

Pattern J exercises J1 through J4. Each exercise consists of a six-note cell (F4, G4, A4, B4, C5, D5) with a slur and repeat signs. J1 is the base pattern. J2, J3, and J4 are variations with different fingerings indicated by numbers above the notes.

Pattern J exercises J5 through J8. J5 and J6 continue the six-note cell pattern. J7 and J8 are variations with different fingerings indicated by numbers above the notes.

Pattern J exercises J9 through J12. J9 and J10 continue the six-note cell pattern. J11 and J12 are variations with different fingerings indicated by numbers above the notes.

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Fingering Exercises: 6 Note Cells

Pattern K

Pattern K consists of four measures, each containing a six-note cell. The notes are G4, A4, B4, C5, D5, and E5. Each measure is marked with a repeat sign and a double bar line at the end. The measures are labeled K2, K3, and K4 above the staff.

Pattern K continues with four more measures, each containing a six-note cell. The notes are G4, A4, B4, C5, D5, and E5. Each measure is marked with a repeat sign and a double bar line at the end. The measures are labeled K5, K6, K7, and K8 above the staff.

Pattern K concludes with four more measures, each containing a six-note cell. The notes are G4, A4, B4, C5, D5, and E5. Each measure is marked with a repeat sign and a double bar line at the end. The measures are labeled K9, K10, K11, and K12 above the staff.

Pattern L

Pattern L consists of four measures, each containing a six-note cell. The notes are G4, A4, B4, C5, D5, and E5. The second measure (L3) includes a flat (b) under the B4 note. Each measure is marked with a repeat sign and a double bar line at the end. The measures are labeled L2, L3, and L4 above the staff.

Pattern L continues with four more measures, each containing a six-note cell. The notes are G4, A4, B4, C5, D5, and E5. The second measure (L6) includes a flat (b) under the B4 note. Each measure is marked with a repeat sign and a double bar line at the end. The measures are labeled L5, L6, L7, and L8 above the staff.

Pattern L concludes with four more measures, each containing a six-note cell. The notes are G4, A4, B4, C5, D5, and E5. The second measure (L10) includes a flat (b) under the B4 note. Each measure is marked with a repeat sign and a double bar line at the end. The measures are labeled L9, L10, L11, and L12 above the staff.

Trill Exercises

Key of Eb Trills

Eb #1

Left first is down

3 3 3

This line of music shows the beginning of the first exercise in Eb major, 4/4 time. It features a treble clef, a key signature of two flats (Bb and Eb), and a common time signature (C). The melody consists of eighth-note trills starting on G4, moving up to A4, Bb4, and C5. The first three trills are marked with a '3' below them. The instruction 'Left first is down' is written below the first trill.

3 3 3 3 3 3 3 3

This line continues the trill exercise with two more measures, each containing two trills. Each trill is marked with a '3' below it.

This line concludes the first exercise with a final measure containing two trills, each marked with a '3' below it.

Eb #2

3 3 3 3

This line shows the beginning of the second exercise in Eb major, 4/4 time. It features a treble clef, a key signature of two flats (Bb and Eb), and a common time signature (C). The melody consists of eighth-note trills starting on G4, moving up to A4, Bb4, and C5. The first four trills are marked with a '3' below them.

3 3 3 3 3 3 3 3

This line continues the trill exercise with two more measures, each containing two trills. Each trill is marked with a '3' below it.

This line concludes the second exercise with a final measure containing two trills, each marked with a '3' below it.

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Trill Exercises

E♭ #3

The first staff of music for Exercise Eb #3 consists of two measures. The first measure contains four groups of eighth-note triplets, each marked with a '3' below it. The second measure contains four groups of eighth-note triplets, also marked with a '3' below each. A slur spans across both measures. The second staff continues with four groups of eighth-note triplets, each marked with a '3' below it, under a single slur. The third staff continues with four groups of eighth-note triplets, each marked with a '3' below it, under a single slur, ending with a whole note on the final line of the staff.

E♭ #4

The first staff of music for Exercise Eb #4 consists of two measures. The first measure contains four groups of eighth-note triplets, each marked with a '3' below it. The second measure contains four groups of eighth-note triplets, also marked with a '3' below each. A slur spans across both measures. The second staff continues with four groups of eighth-note triplets, each marked with a '3' below it, under a single slur. The third staff continues with four groups of eighth-note triplets, each marked with a '3' below it, under a single slur, ending with a whole note on the final line of the staff.

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Trill Exercises

E♭ #5

Trill Exercise Eb #5 consists of three staves of music in the key of E-flat major (one flat). The first staff contains two measures of trills, each marked with a '3' below the notes. The second staff contains two measures of trills, also marked with a '3'. The third staff contains two measures of trills, marked with a '3', followed by a whole note chord at the end of the exercise.

E♭ #6

Trill Exercise Eb #6 consists of three staves of music in the key of E-flat major (one flat). The first staff contains two measures of trills, each marked with a '3' below the notes. The second staff contains two measures of trills, also marked with a '3'. The third staff contains two measures of trills, marked with a '3', followed by a whole note chord at the end of the exercise.

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E♭ #7

Three staves of musical notation for Eb #7 trill exercises. The first staff contains two measures of trills, each marked with a '3' below the notes. The second staff contains two measures of trills, each marked with a '3' below the notes. The third staff contains two measures of trills, each marked with a '3' below the notes, followed by a final measure with a whole note.

Key of F Trills

F #1

Three staves of musical notation for F #1 trill exercises. The first staff contains two measures of trills, each marked with a '3' below the notes. The second staff contains two measures of trills, each marked with a '3' below the notes. The third staff contains two measures of trills, each marked with a '3' below the notes, followed by a final measure with a whole note.

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Trill Exercises

F #2

F #3

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F #4

The first exercise, labeled 'F #4', is written on three staves of music. The first staff begins with a treble clef, a key signature of one flat (Bb), and a common time signature. It contains two measures of music, each featuring a trill of eighth notes. The first measure has four groups of trills, and the second measure has four groups. Each group is marked with a '3' below it, indicating a triplet. A large slur covers the entire exercise. The second staff continues the exercise with another two measures of trills, also marked with '3' below each group. The third staff concludes the exercise with a final measure of trills, ending with a whole note on the G4 line.

F #5

The second exercise, labeled 'F #5', is written on three staves of music. It follows the same format as the first exercise, with a treble clef, one flat key signature, and common time. The first two staves each contain two measures of trills, with each group of trills marked with a '3' below it. A large slur covers the entire exercise. The third staff concludes the exercise with a final measure of trills, ending with a whole note on the G4 line.

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Trill Exercises

F #6

F #7

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Trill Exercises

Trill Eb Major Chord

Musical notation for the Trill Eb Major Chord exercise. It begins with a treble clef, a key signature of two flats (Bb and Eb), and a common time signature. The first three measures show the chord progression: Eb (E-flat), Bb (B-flat), and Eb (E-flat). The fourth measure contains a trill exercise, indicated by a 'tr' symbol and a wavy line above the staff. The trill consists of 16 groups of eighth notes, each group containing the notes Eb and Bb. The exercise concludes with a final Eb chord.

Trill Bb Major Chord

Musical notation for the Trill Bb Major Chord exercise. It begins with a treble clef, a key signature of two flats (Bb and Eb), and a common time signature. The first three measures show the chord progression: Bb (B-flat), Eb (E-flat), and Bb (B-flat). The fourth measure contains a trill exercise, indicated by a 'tr' symbol and a wavy line above the staff. The trill consists of 16 groups of eighth notes, each group containing the notes Bb and Eb. The exercise concludes with a final Bb chord.

Trill F Major Chord

Musical notation for the Trill F Major Chord exercise. It begins with a treble clef, a key signature of one flat (Bb), and a common time signature. The first three measures show the chord progression: F (F), Bb (B-flat), and F (F). The fourth measure contains a trill exercise, indicated by a 'tr' symbol and a wavy line above the staff. The trill consists of 16 groups of eighth notes, each group containing the notes F and Bb. The exercise concludes with a final F chord.

Trill C Major Chord

Musical notation for the Trill C Major Chord exercise. It begins with a treble clef, a key signature of no sharps or flats (C major), and a common time signature. The first three measures show the chord progression: C (C), E (E), and C (C). The fourth measure contains a trill exercise, indicated by a 'tr' symbol and a wavy line above the staff. The trill consists of 16 groups of eighth notes, each group containing the notes C and E. The exercise concludes with a final C chord.

Intonation Exercises

Fundamental Tuning Notes

Bb Tuning (Equal Temperament)

Bb Tuning (Just Intonation)

0 +4 -14 -2

+2 -15 -12

0 5: +2
3: -14
1: 0 5: +2
3: +15
1: 0

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Intonation Exercises

F Tuning (Equal Temperament)

A single musical staff in treble clef with a key signature of one flat (Bb). It contains seven measures, each with a pair of notes: a half note on the lower staff and a half note on the upper staff. The notes are: F4 (lower), F5 (upper); Gb4 (lower), Gb5 (upper); Ab4 (lower), Ab5 (upper); Bb4 (lower), Bb5 (upper); C5 (lower), C6 (upper); D5 (lower), D6 (upper); Eb5 (lower), Eb6 (upper).

F Tuning (Just Intonation)

A musical staff in treble clef with a key signature of one flat (Bb). It contains seven measures. The first measure has a whole rest. The second measure has a pair of notes with a bracket above them and a '+4' below. The third measure has a whole rest. The fourth measure has a pair of notes with a bracket above them and a '-14' below. The fifth measure has a whole rest. The sixth measure has a pair of notes with a bracket above them and a '-2' below. The seventh measure has a pair of notes with a bracket above them and a '-2' below.

A musical staff in treble clef with a key signature of one flat (Bb). It contains seven measures. The first measure has a whole rest. The second measure has a pair of notes with a bracket above them and a '+2' below. The third measure has a whole rest. The fourth measure has a pair of notes with a bracket above them and a '-15' below. The fifth measure has a whole rest. The sixth measure has a pair of notes with a bracket above them and a '-12' below. The seventh measure has a pair of notes with a bracket above them and a '-12' below.

A musical staff in treble clef with a key signature of one flat (Bb). It contains seven measures. The first measure has a whole rest. The second measure has a pair of notes with a bracket above them and a '0' below. The third measure has a whole rest. The fourth measure has a pair of notes with a bracket above them and a '5: +2', '3: -14', and '1: 0' below. The fifth measure has a whole rest. The sixth measure has a pair of notes with a bracket above them and a '5: +2', '3: +15', and '1: 0' below. The seventh measure has a pair of notes with a bracket above them and a '5: +2', '3: +15', and '1: 0' below.

Eb Tuning (Equal Temperament)

A single musical staff in treble clef with a key signature of two flats (Bb, Eb). It contains seven measures, each with a pair of notes: a half note on the lower staff and a half note on the upper staff. The notes are: Eb4 (lower), Eb5 (upper); F4 (lower), F5 (upper); Gb4 (lower), Gb5 (upper); Ab4 (lower), Ab5 (upper); Bb4 (lower), Bb5 (upper); C5 (lower), C6 (upper); D5 (lower), D6 (upper).

Eb Tuning (Just Intonation)

A musical staff in treble clef with a key signature of two flats (Bb, Eb). It contains seven measures. The first measure has a whole rest. The second measure has a pair of notes with a bracket above them and a '+4' below. The third measure has a whole rest. The fourth measure has a pair of notes with a bracket above them and a '-14' below. The fifth measure has a whole rest. The sixth measure has a pair of notes with a bracket above them and a '-2' below. The seventh measure has a pair of notes with a bracket above them and a '-2' below.

A musical staff in treble clef with a key signature of two flats (Bb, Eb). It contains seven measures. The first measure has a whole rest. The second measure has a pair of notes with a bracket above them and a '+2' below. The third measure has a whole rest. The fourth measure has a pair of notes with a bracket above them and a '-15' below. The fifth measure has a whole rest. The sixth measure has a pair of notes with a bracket above them and a '-12' below. The seventh measure has a pair of notes with a bracket above them and a '-12' below.

A musical staff in treble clef with a key signature of two flats (Bb, Eb). It contains seven measures. The first measure has a whole rest. The second measure has a pair of notes with a bracket above them and a '0' below. The third measure has a whole rest. The fourth measure has a pair of notes with a bracket above them and a '5: +2', '3: -14', and '1: 0' below. The fifth measure has a whole rest. The sixth measure has a pair of notes with a bracket above them and a '5: +2', '3: +15', and '1: 0' below. The seventh measure has a pair of notes with a bracket above them and a '5: +2', '3: +15', and '1: 0' below.

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Intonation Exercises

Ab Tuning (Equal Temperament)

A single musical staff in treble clef with a key signature of two flats (Bb, Eb). It contains seven measures, each with a single half note. The notes are Ab, Bb, Cb, Db, Eb, Fb, and Gb, representing the natural harmonics of Ab.

Ab Tuning (Just Intonation)

A musical staff in treble clef with a key signature of two flats. It contains four measures. The first measure has a half note Ab with a '0' below it. The second measure has a half note Bb with a '+4' below it. The third measure has a half note Cb with a '-14' below it. The fourth measure has a half note Db with a '-2' below it. Each measure contains a pair of notes: the first is the natural harmonic from the first line, and the second is a just intonation correction.

A musical staff in treble clef with a key signature of two flats. It contains four measures. The first measure has a half note Eb with a '+2' below it. The second measure has a half note Fb with a '-15' below it. The third measure has a half note Gb with a '-12' below it. Each measure contains a pair of notes: the first is the natural harmonic from the second line, and the second is a just intonation correction.

A musical staff in treble clef with a key signature of two flats. It contains four measures. The first measure has a half note Ab with a '0' below it. The second measure has a half note Bb with a '5: +2' above it, a '3: -14' below it, and a '1: 0' below that. The third measure has a half note Cb with a '5: +2' above it, a '3: +15' below it, and a '1: 0' below that. The fourth measure has a half note Db with a '5: +2' above it, a '3: +15' below it, and a '1: 0' below that. Each measure contains a pair of notes: the first is the natural harmonic from the third line, and the second is a just intonation correction.

C Tuning (Equal Temperament)

A single musical staff in treble clef with a key signature of one flat (Bb). It contains seven measures, each with a single half note. The notes are C, D, E, F, G, A, and B, representing the natural harmonics of C.

C Tuning (Just Intonation)

A musical staff in treble clef with a key signature of one flat. It contains four measures. The first measure has a half note C with a '0' below it. The second measure has a half note D with a '+4' below it. The third measure has a half note E with a '-14' below it. The fourth measure has a half note F with a '-2' below it. Each measure contains a pair of notes: the first is the natural harmonic from the first line, and the second is a just intonation correction.

A musical staff in treble clef with a key signature of one flat. It contains four measures. The first measure has a half note G with a '+2' below it. The second measure has a half note A with a '-15' below it. The third measure has a half note B with a '-12' below it. Each measure contains a pair of notes: the first is the natural harmonic from the second line, and the second is a just intonation correction.

A musical staff in treble clef with a key signature of one flat. It contains four measures. The first measure has a half note C with a '0' below it. The second measure has a half note D with a '5: +2' above it, a '3: -14' below it, and a '1: 0' below that. The third measure has a half note E with a '5: +2' above it, a '3: +15' below it, and a '1: 0' below that. The fourth measure has a half note F with a '5: +2' above it, a '3: +15' below it, and a '1: 0' below that. Each measure contains a pair of notes: the first is the natural harmonic from the third line, and the second is a just intonation correction.