

# 4

## Three-Octave Scales

Groups of twelve notes. PATTERNS: *B1, B2, B3, B4, B6, B12*  
*R1, R2, R3, R4, R6, R12*

Primary Patterns:



In addition to these patterns, practice all three-octave scales with the *Acceleration Exercise* as shown in the following example. Make sure the value of the quarter note remains the same throughout. Choose a slow tempo at first ( $\text{♩} = 50-60$ ), then gradually increase it. The exercise may also be practiced in reverse as a *Retardation Exercise* by starting at the end with the thirty-second notes and finishing with the quarter notes.

The image displays a series of musical staves for three-octave scales. Each staff consists of a bass clef line and a treble clef line. The scales are written in 2/4 time. The first staff shows a scale from C2 to C4. The second staff shows a scale from C3 to C5. The third staff shows a scale from C4 to C6. The fourth staff, which is highlighted with a green border, shows a scale from C5 to C8. The fifth staff shows a scale from C6 to C10. The sixth staff shows a scale from C7 to C12. The seventh staff shows a scale from C8 to C14. The eighth staff shows a scale from C9 to C16. The ninth staff shows a scale from C10 to C18. The tenth staff shows a scale from C11 to C20. The scales are written with quarter notes and are accompanied by acceleration exercises. The acceleration exercises are written with eighth notes and are marked with fingerings (1, 2, 3, 4) and accents. The acceleration exercises are written in a way that they can be played in reverse as a retardation exercise.

Note: Please look at page 19 for alternate fingering systems for the three octave scales.

# E-Flat Major

First system of musical notation for E-flat Major. It consists of two staves. The left staff is in bass clef and the right staff is in treble clef. The key signature has two flats (B-flat and E-flat). The notation includes fingerings (0, 1, 2, 3, 4) and a triplet of notes in the treble staff.

Second system of musical notation for E-flat Major. It consists of two staves. The left staff is in treble clef and the right staff is in bass clef. The key signature has two flats (B-flat and E-flat). The notation includes fingerings (0, 1, 2, 3, 4) and a triplet of notes in the bass staff.



# F Major

Musical notation for the F Major scale. The bass clef staff shows the descending scale with fingerings: 1, 4, 2, 1, 0, 1, 0, 1, 0, 1, 0, 1, 0, 1, 2. The treble clef staff shows the ascending scale with fingerings: 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1. The piece concludes with a double bar line and a key signature change to B-flat major.

# F Melodic Minor

Musical notation for the F Melodic Minor scale. The bass clef staff shows the descending scale with fingerings: 1, 4, 3, 1, 3, 4, 1, 2, 4, 1, 0, 1, 2, 0, 1. The treble clef staff shows the ascending scale with fingerings: 3, 2, 2, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4. The piece concludes with a double bar line and a key signature change to B-flat major.

# F Harmonic Minor

Musical notation for the F Harmonic Minor scale. The bass clef staff shows the descending scale with fingerings: 1, 4, 3, 3, 1, 3, 4, 1, 2, 1, 1, 2, 1, 1, 2, 1. The treble clef staff shows the ascending scale with fingerings: 1, 3, 4, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 2. The piece concludes with a double bar line and a key signature change to B-flat major.

G Major

Two staves of musical notation for the G Major scale. The top staff is in bass clef and the bottom staff is in treble clef. The key signature has one sharp (F#). The bass staff starts with a 0 on the G string and has fingerings 3, 1, 0, 1, 0, 1. The treble staff starts with a 1 on the G string and has fingerings 1, 1, 1. The scale is written in a single line across both staves.

G Melodic Minor

Two staves of musical notation for the G Melodic Minor scale. The top staff is in bass clef and the bottom staff is in treble clef. The key signature has two flats (Bb, Eb). The bass staff starts with a 0 on the G string and has fingerings 2, 1, 0, 1, 0, 1. The treble staff starts with a 1 on the G string and has fingerings 1, 1, 1. The scale is written in a single line across both staves.

G Harmonic Minor

Two staves of musical notation for the G Harmonic Minor scale. The top staff is in bass clef and the bottom staff is in treble clef. The key signature has two flats (Bb, Eb). The bass staff starts with a 0 on the G string and has fingerings 2, 1, 0, 1, 0, 1. The treble staff starts with a 1 on the G string and has fingerings 1, 3, 4, 1, 1. There are handwritten annotations: a 'b' above the second sharp (F#) in the bass staff, a circled 'b' above the first sharp (F#) in the treble staff, and a circled '1' above the second sharp (F#) in the treble staff. The scale is written in a single line across both staves.

A-Flat Major

Two staves of musical notation for the A-Flat Major scale. The top staff is in bass clef and the bottom staff is in treble clef. The key signature has four flats (Bb, Eb, Ab, Db). The bass staff starts with a 1 on the A string and has fingerings 4, 2, 1, 1, 1. The treble staff starts with a 1 on the A string and has fingerings (2) 3, 4, 1, 1. The scale is written in a single line across both staves.

G-Sharp Melodic Minor

Handwritten notes: 1 4 3, 1 2 4 1, 1, (2 3), 1. Musical notation for G-Sharp Melodic Minor scale in bass and treble clefs.

Handwritten notes: 3, 2, 2, 4, 4, 4. Musical notation for G-Sharp Melodic Minor scale in treble and bass clefs.

G-Sharp Harmonic Minor

Handwritten notes: 1 4 3, 1 3 4 1, 1 2 1, 2 4, 1 3 4 1, 1, 1 2. Musical notation for G-Sharp Harmonic Minor scale in bass and treble clefs.

Handwritten notes: 3, 2, 2, 4, 3, 4, 2, 2, II 4, 4, 4, 2, 4. Musical notation for G-Sharp Harmonic Minor scale in treble and bass clefs.

A Major

Handwritten notes: 1 4 2, 0 1, 0 1, 3 1 1, 1, 1, 1. Musical notation for A Major scale in bass and treble clefs.

Handwritten notes: 3, 2, 2, 3, 3, 1, 3, 0 4, 0 4. Musical notation for A Major scale in treble and bass clefs.

A Melodic Minor

Handwritten notes: 1 4 3, 0 1, 0 1, 2 1 3 1, 1, 1, 1. Musical notation for A Melodic Minor scale in bass and treble clefs.

Handwritten notes: 3, 2, 2, 3, 3, 1, 2, 0 4, 0 4. Musical notation for A Melodic Minor scale in treble and bass clefs.

A Harmonic Minor

Handwritten notes: 1 4 3, 0 1, 1, 1 2 3 1, 1, 1, 1. Musical notation for A Harmonic Minor scale in bass and treble clefs.

Handwritten notes: 3, 2, 2, 3, 2, 1, 4, 2, 4, 2, 1, 0 4. Musical notation for A Harmonic Minor scale in treble and bass clefs.

### B-Flat Major

Ascending: Bass clef, notes G2, A2, Bb2, C3, D3, E3, F3, G3. Fingering: 1, 4, 2, (0), 1, 0, 1, 2. Treble clef, notes G3, A3, Bb3, C4, D4, E4, F4, G4. Fingering: 1, 1, 1, 1, 1, 1, 1, 1.

Descending: Treble clef, notes G4, F4, E4, D4, C4, Bb3, A3, G3. Fingering: 2, 0, 4, (0), 4, 2, 1. Bass clef, notes G3, F3, E3, D3, C3, Bb2, A2, G2. Fingering: 3, 2, 2, 3, 4.

### B-Flat Melodic Minor

Ascending: Bass clef, notes G2, A2, Bb2, C3, D3, E3, F3, G3. Fingering: 1, 4, 3, 1, 1, 1, 1, 1. Treble clef, notes G3, A3, Bb3, C4, D4, E4, F4, G4. Fingering: 1, 2, 4, 1, 1, 1, 1, 1.

Descending: Treble clef, notes G4, F4, E4, D4, C4, Bb3, A3, G3. Fingering: 4, 4, 4, 4, 4, 4, 4, 4. Bass clef, notes G3, F3, E3, D3, C3, Bb2, A2, G2. Fingering: 3, 2, 2, 3, 4.

### B-Flat Harmonic Minor

Ascending: Bass clef, notes G2, A2, Bb2, C3, D3, E3, F3, G3. Fingering: 1, 4, 3, 1, 1, 1, 1, 1. Treble clef, notes G3, A3, Bb3, C4, D4, E4, F4, G4. Fingering: 1, 2, 3, 1, 1, 1, 1, 1.

Descending: Treble clef, notes G4, F4, E4, D4, C4, Bb3, A3, G3. Fingering: 4, 4, 4, 4, 4, 4, 4, 4. Bass clef, notes G3, F3, E3, D3, C3, Bb2, A2, G2. Fingering: 3, 2, 2, 3, 4.

Ascending: Bass clef, notes G2, A2, Bb2, C3, D3, E3, F3, G3. Fingering: 1, 4, 3, 1, 1, 1, 1, 1. Treble clef, notes G3, A3, Bb3, C4, D4, E4, F4, G4. Fingering: 1, 2, 3, 1, 1, 1, 1, 1.

Descending: Treble clef, notes G4, F4, E4, D4, C4, Bb3, A3, G3. Fingering: 4, 4, 4, 4, 4, 4, 4, 4. Bass clef, notes G3, F3, E3, D3, C3, Bb2, A2, G2. Fingering: 3, 2, 2, 3, 4.