

**THREE-OCTAVE SCALE FINGERINGS  
FOR VIOLIN AND VIOLA  
DR. CORA COOPER  
KANSAS STATE UNIVERSITY**

All scales have a “turn” at the beginning and the end, adding up to 24 notes. Do not repeat the top note. Keys in parentheses are for viola. Each block of numbers indicates one string; hyphens indicate a shift or extension. Use melodic minor.

**MAJOR SCALES:**

**G major (C major):**

02101234 12-1234 1234 12-1234-4 descend the same way

**G-string (C-string) majors [Ab-C# for violin; Db-F# for viola]:** 1321234 1234  
12-1234 123-1234-4 descend the same way

**D major (G major):**

02101234 12-1234 123-123-1234-4 descend the same way

**D-string (G-string) majors [Eb-F# for violin; Ab-B for viola]:**

1321234 123-1234 123-123-1234-4 descend the same way

**MELODIC MINOR SCALES:**

The (4) at the start of the descending fingering is the same note played at the top of the ascending fingering—not a repeat or change.

**G minor (C minor):**

up 02101234 12-1234 1234 123-1234  
down (4)32-321 4321-321 4321 43210210

**Ab minor (C# minor):**

up 1321234 1234 123-1234 123-1234  
down (4)32-321 4321-4321 4321 4321321

**G-string (C-string) minors [A-C# for violin; D-F# for viola]:**

up 1321234 1234 123-1234 123-1234  
down (4)32-321-4321 4321 4321 4321321

**D minor (G minor):**

up 02101234 12-1234 123-123-1234-4  
down (4)32-321-4321-321 4321 43210210

**D-string (G-string) minors [Eb-F# for violin; Ab-C# for viola]:**

up 1321234 123-1234 123-123-1234-4  
down (4)32-321-321-321 4321 4321-21321