



Music Virtual Learning

Philharmonic Orchestra

April 16, 2020



Philharmonic Orchestra

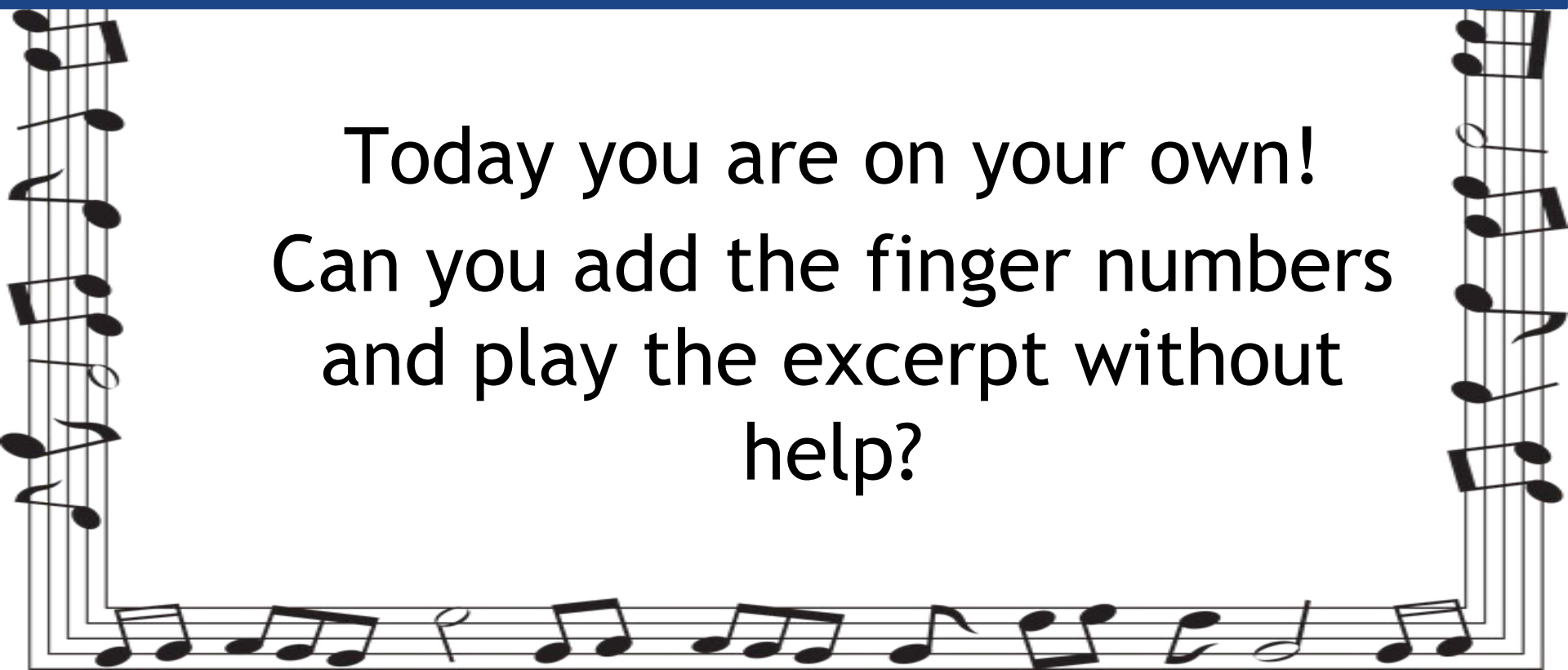
Lesson: April 16, 2020

Objective/Learning Target:

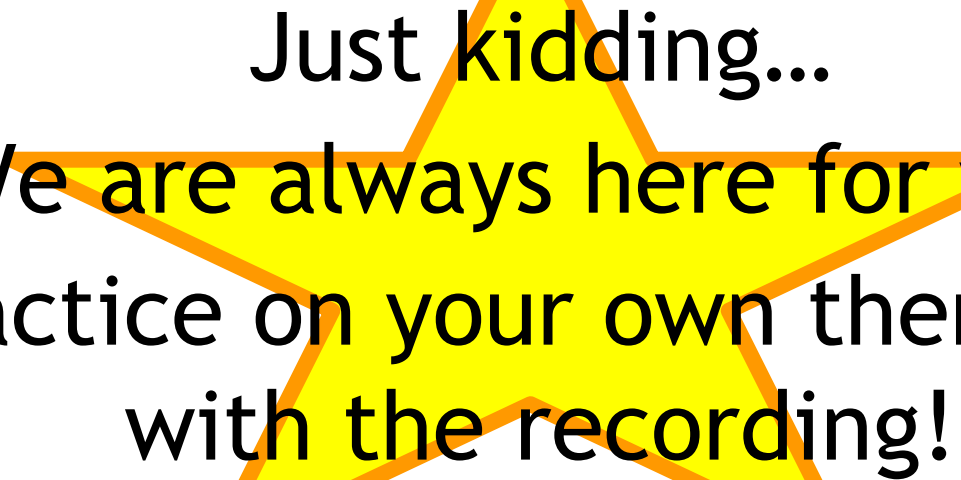
Students will be able to write out a major scale with half steps and finger patterns

Warm-Up



A decorative border of musical staves and notes surrounds the central text. The border consists of a vertical staff on the left, a vertical staff on the right, and a horizontal staff at the bottom, all containing various musical notes and symbols.

Today you are on your own!
Can you add the finger numbers
and play the excerpt without
help?



Just kidding...
We are always here for you.
Practice on your own then play
with the recording!



Excerpts

Violin-[click here](#)

Viola-[click here](#)

Cello-[click here](#)

Bass-[click here](#)

Practice Exercises

	Beginner	Intermediate	Advanced
Violin	Click Here	Click Here	Click Here
Viola	Click Here	Click Here	Click Here
Cello	Click Here	Click Here	Click Here
Bass	Click Here	Click Here	Click Here

Lesson



Let's Get Started

For this lesson, you will need a piece of blank sheet music paper to practice writing out a scale.

You can take a blank sheet of paper and draw the 5 lines/4 spaces for a staff
for a staff

Or print some here: <https://www.blanksheetmusic.net/>

Let's Review!

Last week we learned how to build a major scale. Here are the notes of the D major scale.

Review
playing this
scale on
your
instrument

D-E-F#-G-A-B-C#-D

Let's Review!

Remember that major scales have a specific pattern of half steps and whole steps:

Whole-Whole-Half-Whole-Whole-Whole-Half

Step 1. Time to Write it Out

With your blank staff paper, try building a D major scale drawing the notes from open D string to high D on your A string (G string for basses)

Notes below the middle line in any clef have the stem pointing UP:



The middle line and the notes above the middle line have the stem pointing DOWN:



Answer Key:

Violin



Viola



Cello/Bass



Step 2: Add Half Step Marks to Your Scale

Adding a half step mark = \wedge
helps us keep track of the half step (squishy) finger patterns in the
scale

\wedge \wedge
D-E-F#-G-A-B-C#-D

Answer Key:

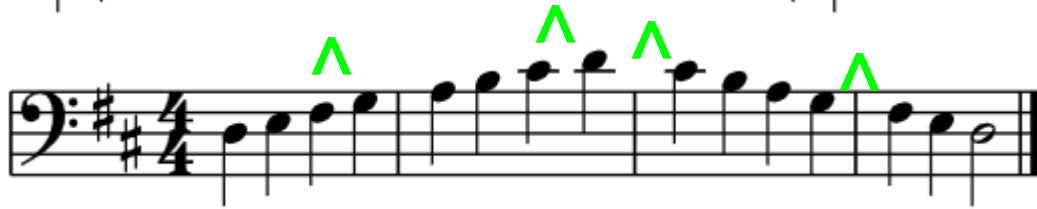
Violin



Viola



Cello/Bass

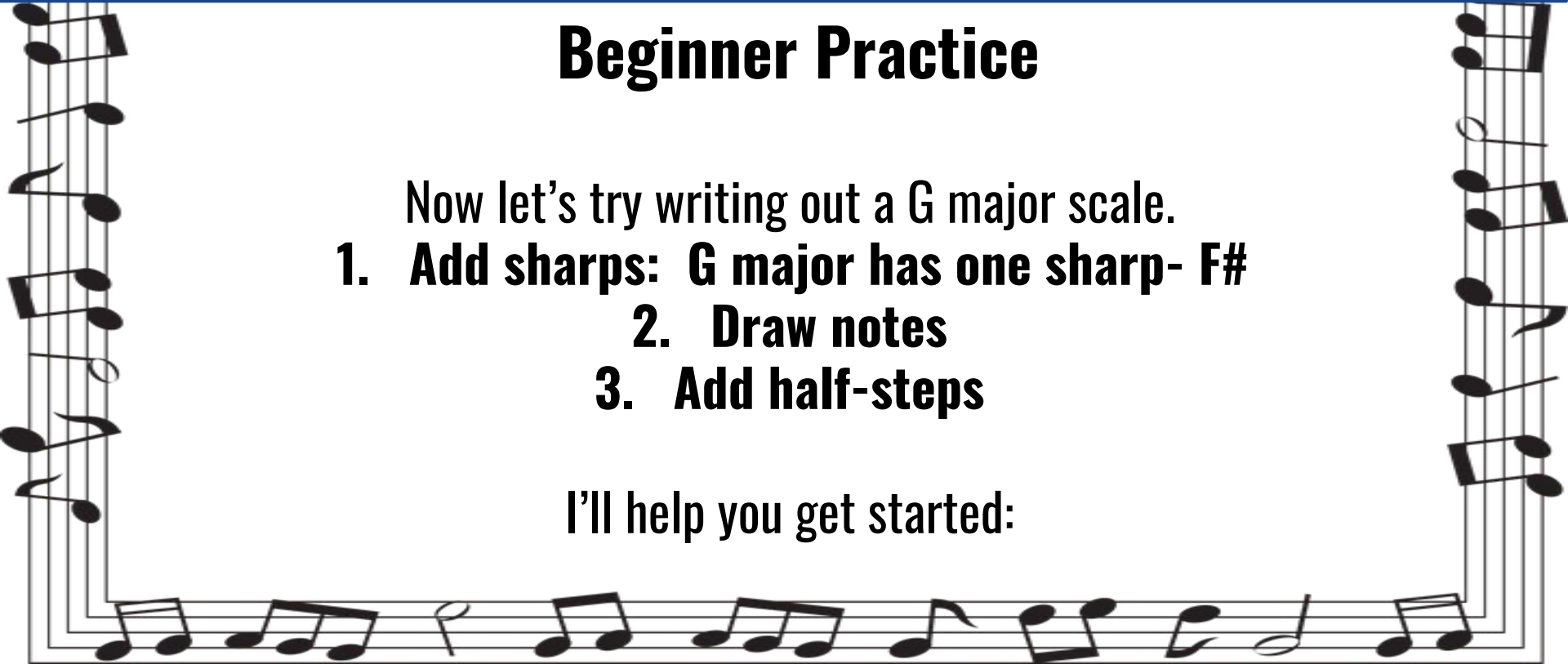


Beginner Practice

Now let's try writing out a G major scale.

- 1. Add sharps: G major has one sharp- F#**
- 2. Draw notes**
- 3. Add half-steps**

I'll help you get started:



Beginner Practice



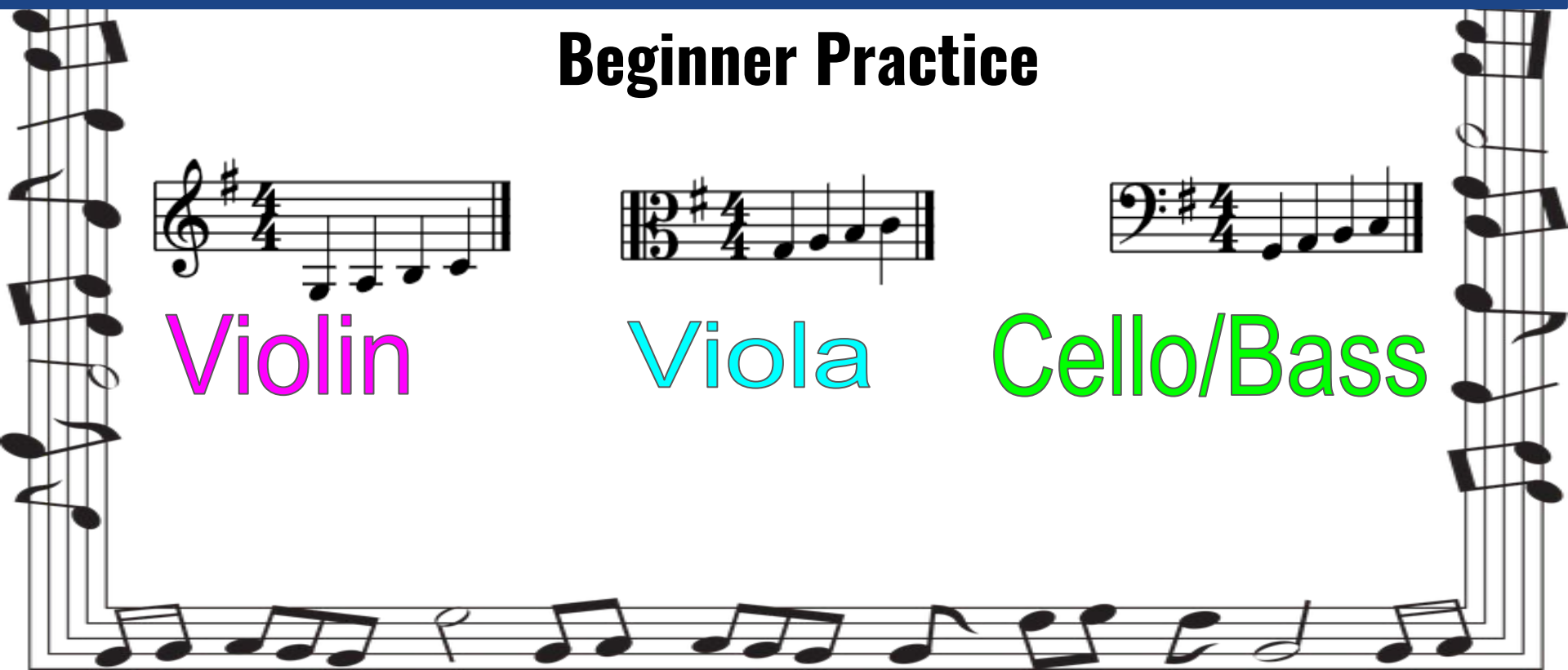
Violin



Viola



Cello/Bass



Intermediate/Advanced Practice

Now let's try writing out a two octave G-major scale. Two octave scales are easy, just keep going up to the next highest G.

1. Add a key signature: G major has F#
2. Draw the notes
3. Add half step marks
4. Try adding finger numbers

Intermediate Practice

I'll help you get started



Violin



Viola



Cello/Bass

Intermediate/Advanced Practice

Step 4: Add finger numbers

- Try applying what we've been learning for shifting practice
- Think about your instrument fingerboard to create a logical pattern.

Intermediate/Advanced Practice

Don't forget to
add half steps.
The pattern is the
same for the
second octave

Violin Answer Key:

The musical notation is on a single staff in G major (one sharp) and 4/4 time. It consists of the following notes and fingerings: G4 (finger 1), A4 (finger 2), B4 (finger 3), C5 (finger 4), D5 (finger 1), E5 (finger 2), F#5 (finger 3), G5 (finger 4), A5 (finger 1), B5 (finger 2), C6 (finger 3), D6 (finger 4), E6 (finger 1), F#6 (finger 2), G6 (finger 3). Accents (^) are placed above the notes G4, B4, D5, F#5, and G6. The final note G6 is a whole note.

Intermediate/Advanced Practice

Don't forget to add half steps. The pattern is the same for the second octave

Viola Answer Key:



Musical notation for Viola Answer Key. The staff is in 3/4 time with a key signature of one sharp (F#). The melody consists of the following notes: G4, A4, B4, C5, D5, E5, F#5, G5, A5, B5, C6. Above the notes are accents (^) over G4, A4, B4, and C6. Above the final three notes (A5, B5, C6) are the fingering numbers -1, 2, and 3. The piece ends with a double bar line.

Intermediate/Advanced Practice

Don't forget to
add half steps.
The pattern is the
same for the
second octave

Cello Answer Key:

The musical notation is in bass clef, 4/4 time, and the key signature has one sharp (F#). The notes and fingerings are as follows:

Measure	Notes	Fingerings	Accents
1	D2, E2, F#2, G2		
2	A2, B2, C3, D3		
3	E3, F#3, G3, A3		
4	B3, C4, D4, E4		
5	F#4, G4, A4, B4		
6	C5, D5, E5, F#5		
7	G5, A5, B5, C6		
8	D6, E6, F#6, G6		
9	A6, B6, C7, D7		
10	E7, F#7, G7, A7		
11	B7, C8, D8, E8		
12	F#8, G8, A8, B8		
13	C9, D9, E9, F#9		
14	G9, A9, B9, C10		
15	D10, E10, F#10, G10		
16	A10, B10, C11, D11		
17	E11, F#11, G11, A11		
18	B11, C12, D12, E12		
19	F#12, G12, A12, B12		
20	C13, D13, E13, F#13		
21	G13, A13, B13, C14		
22	D14, E14, F#14, G14		
23	A14, B14, C15, D15		
24	E15, F#15, G15, A15		
25	B15, C16, D16, E16		
26	F#16, G16, A16, B16		
27	C17, D17, E17, F#17		
28	G17, A17, B17, C18		
29	D18, E18, F#18, G18		
30	A18, B18, C19, D19		
31	E19, F#19, G19, A19		
32	B19, C20, D20, E20		
33	F#20, G20, A20, B20		
34	C21, D21, E21, F#21		
35	G21, A21, B21, C22		
36	D22, E22, F#22, G22		
37	A22, B22, C23, D23		
38	E23, F#23, G23, A23		
39	B23, C24, D24, E24		
40	F#24, G24, A24, B24		
41	C25, D25, E25, F#25		
42	G25, A25, B25, C26		
43	D26, E26, F#26, G26		
44	A26, B26, C27, D27		
45	E27, F#27, G27, A27		
46	B27, C28, D28, E28		
47	F#28, G28, A28, B28		
48	C29, D29, E29, F#29		
49	G29, A29, B29, C30		
50	D30, E30, F#30, G30		
51	A30, B30, C31, D31		
52	E31, F#31, G31, A31		
53	B31, C32, D32, E32		
54	F#32, G32, A32, B32		
55	C33, D33, E33, F#33		
56	G33, A33, B33, C34		
57	D34, E34, F#34, G34		
58	A34, B34, C35, D35		
59	E35, F#35, G35, A35		
60	B35, C36, D36, E36		
61	F#36, G36, A36, B36		
62	C37, D37, E37, F#37		
63	G37, A37, B37, C38		
64	D38, E38, F#38, G38		
65	A38, B38, C39, D39		
66	E39, F#39, G39, A39		
67	B39, C40, D40, E40		
68	F#40, G40, A40, B40		
69	C41, D41, E41, F#41		
70	G41, A41, B41, C42		
71	D42, E42, F#42, G42		
72	A42, B42, C43, D43		
73	E43, F#43, G43, A43		
74	B43, C44, D44, E44		
75	F#44, G44, A44, B44		
76	C45, D45, E45, F#45		
77	G45, A45, B45, C46		
78	D46, E46, F#46, G46		
79	A46, B46, C47, D47		
80	E47, F#47, G47, A47		
81	B47, C48, D48, E48		
82	F#48, G48, A48, B48		
83	C49, D49, E49, F#49		
84	G49, A49, B49, C50		
85	D50, E50, F#50, G50		
86	A50, B50, C51, D51		
87	E51, F#51, G51, A51		
88	B51, C52, D52, E52		
89	F#52, G52, A52, B52		
90	C53, D53, E53, F#53		
91	G53, A53, B53, C54		
92	D54, E54, F#54, G54		
93	A54, B54, C55, D55		
94	E55, F#55, G55, A55		
95	B55, C56, D56, E56		
96	F#56, G56, A56, B56		
97	C57, D57, E57, F#57		
98	G57, A57, B57, C58		
99	D58, E58, F#58, G58		
100	A58, B58, C59, D59		
101	E59, F#59, G59, A59		
102	B59, C60, D60, E60		
103	F#60, G60, A60, B60		
104	C61, D61, E61, F#61		
105	G61, A61, B61, C62		
106	D62, E62, F#62, G62		
107	A62, B62, C63, D63		
108	E63, F#63, G63, A63		
109	B63, C64, D64, E64		
110	F#64, G64, A64, B64		
111	C65, D65, E65, F#65		
112	G65, A65, B65, C66		
113	D66, E66, F#66, G66		
114	A66, B66, C67, D67		
115	E67, F#67, G67, A67		
116	B67, C68, D68, E68		
117	F#68, G68, A68, B68		
118	C69, D69, E69, F#69		
119	G69, A69, B69, C70		
120	D70, E70, F#70, G70		
121	A70, B70, C71, D71		
122	E71, F#71, G71, A71		
123	B71, C72, D72, E72		
124	F#72, G72, A72, B72		
125	C73, D73, E73, F#73		
126	G73, A73, B73, C74		
127	D74, E74, F#74, G74		
128	A74, B74, C75, D75		
129	E75, F#75, G75, A75		
130	B75, C76, D76, E76		
131	F#76, G76, A76, B76		
132	C77, D77, E77, F#77		
133	G77, A77, B77, C78		
134	D78, E78, F#78, G78		
135	A78, B78, C79, D79		
136	E79, F#79, G79, A79		
137	B79, C80, D80, E80		
138	F#80, G80, A80, B80		
139	C81, D81, E81, F#81		
140	G81, A81, B81, C82		
141	D82, E82, F#82, G82		
142	A82, B82, C83, D83		
143	E83, F#83, G83, A83		
144	B83, C84, D84, E84		
145	F#84, G84, A84, B84		
146	C85, D85, E85, F#85		
147	G85, A85, B85, C86		
148	D86, E86, F#86, G86		
149	A86, B86, C87, D87		
150	E87, F#87, G87, A87		
151	B87, C88, D88, E88		
152	F#88, G88, A88, B88		
153	C89, D89, E89, F#89		
154	G89, A89, B89, C90		
155	D90, E90, F#90, G90		
156	A90, B90, C91, D91		
157	E91, F#91, G91, A91		
158	B91, C92, D92, E92		
159	F#92, G92, A92, B92		
160	C93, D93, E93, F#93		
161	G93, A93, B93, C94		
162	D94, E94, F#94, G94		
163	A94, B94, C95, D95		
164	E95, F#95, G95, A95		
165	B95, C96, D96, E96		
166	F#96, G96, A96, B96		
167	C97, D97, E97, F#97		
168	G97, A97, B97, C98		
169	D98, E98, F#98, G98		
170	A98, B98, C99, D99		
171	E99, F#99, G99, A99		
172	B99, C100, D100, E100		
173	F#100, G100, A100, B100		
174	C101, D101, E101, F#101		
175	G101, A101, B101, C102		
176	D102, E102, F#102, G102		
177	A102, B102, C103, D103		
178	E103, F#103, G103, A103		
179	B103, C104, D104, E104		
180	F#104, G104, A104, B104		
181	C105, D105, E105, F#105		
182	G105, A105, B105, C106		
183	D106, E106, F#106, G106		
184	A106, B106, C107, D107		
185	E107, F#107, G107, A107		
186	B107, C108, D108, E108		
187	F#108, G108, A108, B108		
188	C109, D109, E109, F#109		
189	G109, A109, B109, C110		
190	D110, E110, F#110, G110		
191	A110, B110, C111, D111		
192	E111, F#111, G111, A111		
193	B111, C112, D112, E112		
194	F#112, G112, A112, B112		
195	C113, D113, E113, F#113		
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221	B127, C128, D128, E128		
222	F#128, G128, A128, B128		
223	C129, D129, E129, F#129		
224	G129, A129, B129, C130		
225	D130, E130, F#130, G130		
226	A130, B130, C131, D131		
227	E131, F#131, G131, A131		
228	B131, C132, D132, E132		
229	F#132, G132, A132, B132		
230	C133, D133, E133, F#133		
231	G133, A133, B133, C134		
232	D134, E134, F#134, G134		
233	A134, B134, C135, D135		
234	E135, F#135, G135, A135		
235	B135, C136, D136, E136		
236	F#136, G136, A136, B136		
237	C137, D137, E137, F#137		
238	G137, A137, B137, C138		
239	D138, E138, F#138, G138		
240	A138, B138, C139, D139		
241	E139, F#139, G139, A139		
242	B139, C140, D140, E140		
243	F#140, G140, A140, B140		
244	C141, D141, E141, F#141		
245	G141, A141, B141, C142		
246	D142, E142, F#142, G142		
247	A142, B142, C143, D143		
248	E143, F#143, G143, A143		
249	B143, C144, D144, E144		
250	F#144, G144, A144, B144		
251	C145, D145, E145, F#145		
252	G145, A145, B145, C146		
253	D146, E146, F#146, G146		
254	A146, B146, C147, D147		
255	E147, F#147, G147, A147		
256	B147, C148, D148, E148		
257	F#148, G148, A148, B148		
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263	B151, C152, D152, E152		
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265	C153, D153, E153, F#153		
266	G153, A153, B153, C154		
267	D154, E154, F#154, G154		
268	A154, B154, C155, D155		
269	E155, F#155, G155, A155		
270	B155, C156, D156, E156		
271	F#156, G156, A156, B156		
272	C157, D157, E157, F#157		
273	G157, A157, B157, C158		
274	D158, E158, F#158, G158		
275	A158, B158, C159, D159		
276	E159, F#159, G159, A159		
277	B159, C160, D160, E160		
278	F#160, G160, A160, B160		
279	C161, D161, E161, F#161		
280	G161, A161, B161, C162		
281	D162, E162, F#162, G162		
282	A162, B162, C163, D163		
283	E163, F#163, G163, A163		
284	B163, C164, D164, E164		
285	F#164, G164, A164, B164		
286	C165, D165, E165, F#165		
287	G165, A165, B165, C166		
288	D166, E166, F#166, G166		
289	A166, B166, C167, D167		
290	E167, F#167, G167, A167		
291	B167, C168, D168, E168		
292	F#168, G168, A168, B168		
293	C169, D169, E169, F#169		
294	G169, A169, B169, C170		
295	D170, E170, F#170, G170		
296	A170, B170, C171, D171		

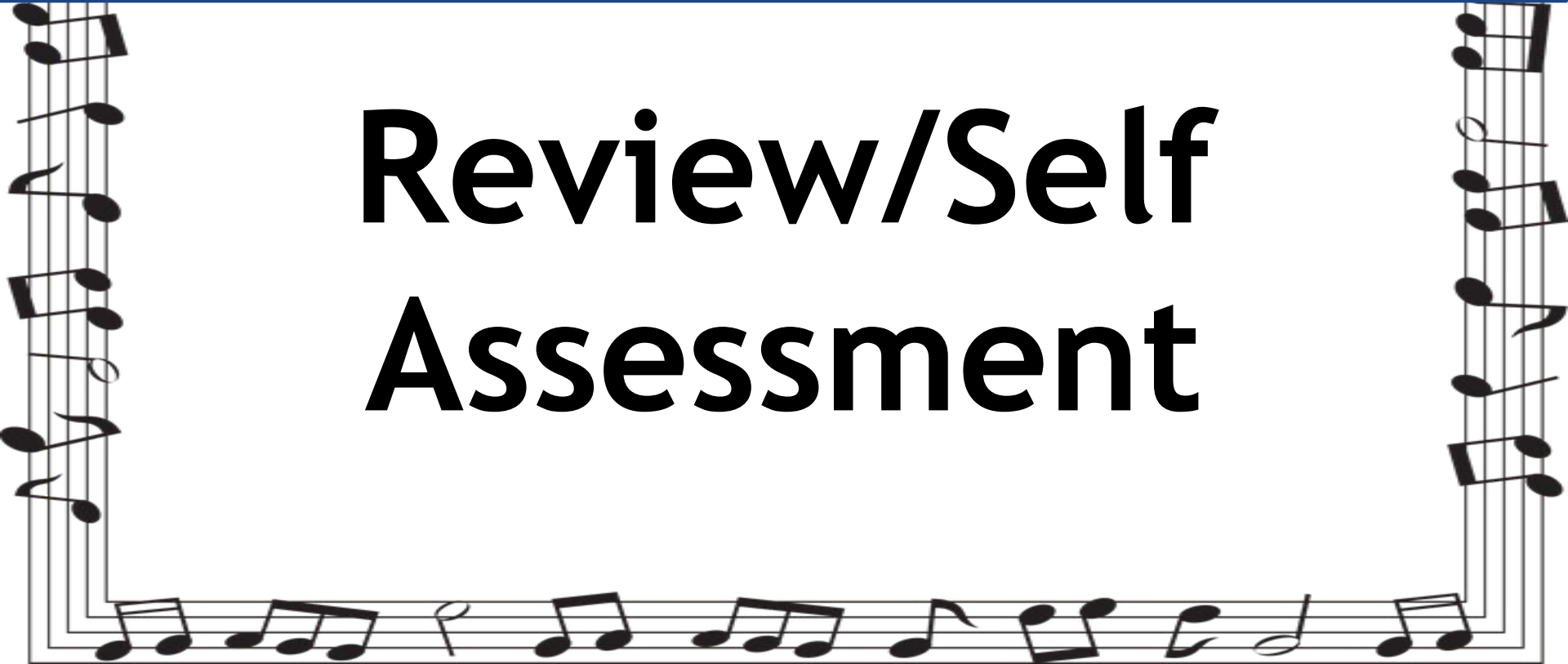
Intermediate/Advanced Practice

Don't forget to
add half steps.
The pattern is the
same for the
second octave

Bass Answer Key:

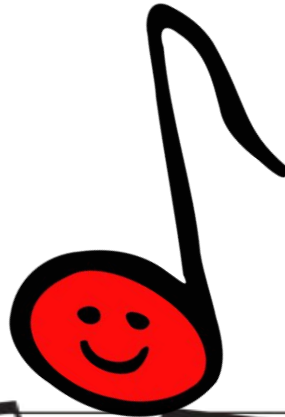
A musical staff in bass clef, 4/4 time, showing a sequence of notes with fingerings and accents. The notes are: G2 (quarter), A2 (quarter), B2 (quarter), C3 (quarter), D3 (quarter), E3 (quarter), F3 (quarter), G3 (quarter), A3 (quarter), B3 (quarter), C4 (quarter), D4 (quarter), E4 (quarter), F4 (quarter), G4 (quarter), A4 (quarter), B4 (quarter), C5 (quarter). Fingerings are indicated by numbers 1-4 above the notes. Accents (^) are placed above the notes G3, B3, and C4. The final measure contains a whole note chord consisting of G4, A4, and B4, with fingerings -1 4, -1 4, and -3 above the notes respectively.

Review/Self Assessment



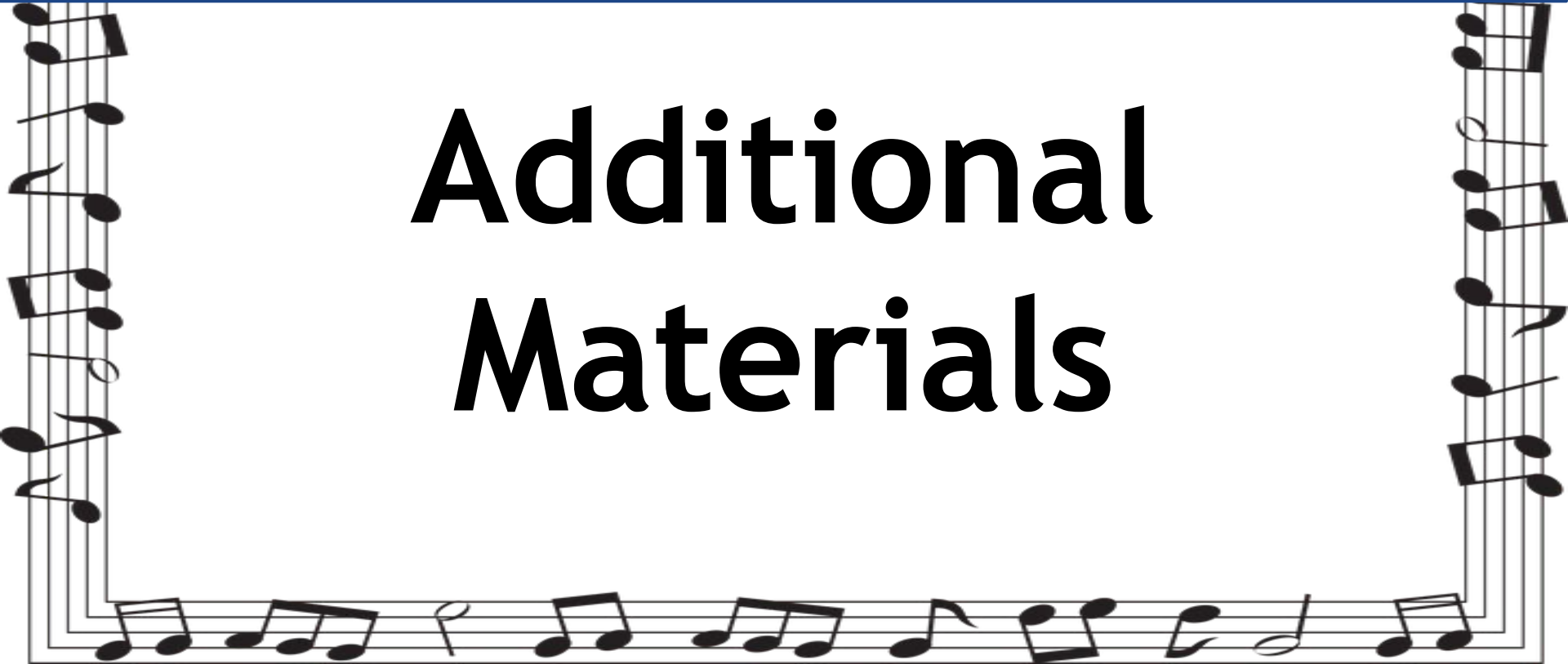
Try playing the G major scale on your instrument! Keep reviewing these concepts so you can build and play any scale in any key. Why is this important?

Helps us
play in tune!



Helps us
understand
finger patterns
in new songs!

Additional Materials



1. All about scales: <https://www.musictheory.net/lessons/21>
2. Scale practice for violin, viola, cello, bass
One Octave:
<http://stringskills.com/one-octave-scales-in-series/>
Two Octaves
<http://stringskills.com/two-octave-scales-and-arpeggios/>