

CLARKE'S MUSIC & PIANO LESSONS

Harmony Foundations • Teacher Edition

TEACHER KEY

Building Chords — Answer Key

Worksheet 1 — Major scales

Key	1	2	3	4	5	6	7	8
G	G	A	B	C	D	E	F#	G
D	D	E	F#	G	A	B	C#	D
F	F	G	A	Bb	C	D	E	F
Bb	Bb	C	D	Eb	F	G	A	Bb
Eb	Eb	F	G	Ab	Bb	C	D	Eb

Half-step locations: degrees 3-4 and 7-8 in every major scale.

Teaching note

Ask the student to say each move aloud: W, W, 1/2, W, W, W, 1/2. This links the visual keyboard distance to the abstract scale formula.

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Triads — Answer Key

Chord quality	Formula	C example
Major	1 - 3 - 5	C - E - G
Minor	1 - b3 - 5	C - Eb - G
Augmented	1 - 3 - #5	C - E - G#
Diminished	1 - b3 - b5	C - Eb - Gb

#	Chord	Formula	Notes
1	F	1-3-5	F - A - C
2	Gm	1-b3-5	G - Bb - D
3	Daug	1-3-#5	D - F# - A#
4	Bdim	1-b3-b5	B - D - F
5	Bb	1-3-5	Bb - D - F
6	Em	1-b3-5	E - G - B
7	Aaug	1-3-#5	A - C# - E#
8	C#dim	1-b3-b5	C# - E - G

Watch for enharmonic shortcuts

Students often write F instead of E# in Aaug. Reinforce that chord spelling preserves the root-third-fifth letter sequence.

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Sixth & Seventh Chords — Answer Key

#	Chord	Formula	Notes
1	G7	1-3-5-b7	G - B - D - F
2	FMaj7	1-3-5-7	F - A - C - E
3	Dm7	1-b3-5-b7	D - F - A - C
4	AmMaj7	1-b3-5-7	A - C - E - G#
5	C6	1-3-5-6	C - E - G - A
6	Fm6	1-b3-5-6	F - Ab - C - D
7	Caug7	1-3-#5-b7	C - E - G# - Bb
8	CaugMaj7	1-3-#5-7	C - E - G# - B
9	Bm7b5	1-b3-b5-b7	B - D - F - A
10	Cdim7	1-b3-b5-bb7	C - Eb - Gb - Bbb

Cdim7 is C-Eb-Gb-Bbb. Although Bbb is played on the same piano key as A, the double-flat spelling identifies the diminished seventh correctly.

Terminology

“7” by itself means a dominant seventh quality: major triad plus minor seventh. “Maj7” means a major triad plus major seventh.

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Extended & Altered Chords — Answer Key

#	Chord	Formula	Notes
1	C9	1-3-5-b7-9	C - E - G - Bb - D
2	Fm9	1-b3-5-b7-9	F - Ab - C - Eb - G
3	BbMaj9	1-3-5-7-9	Bb - D - F - A - C
4	D6/9	1-3-5-6-9	D - F# - A - B - E
5	Cm6/9	1-b3-5-6-9	C - Eb - G - A - D
6	G11	1-3-5-b7-9-11	G - B - D - F - A - C
7	G13	1-3-5-b7-9-11-13	G - B - D - F - A - C - E
8	C7b9	1-3-5-b7-b9	C - E - G - Bb - Db
9	F9#11	1-3-5-b7-9-#11	F - A - C - Eb - G - B
10	Bb7b13	1-3-5-b7-b13	Bb - D - F - Ab - Gb

For theoretical construction, 11th and 13th chords are shown with all stacked thirds. In practical voicings, the fifth and/or 11th are often omitted; in a dominant 11th, the third is also commonly omitted to avoid the minor-9th clash with the 11th.

Notation cleanup from the source chart

C-Eb-G-A-D is Cm6/9, not a major 6/9 chord. Also, common modern chord symbols normally use #11 rather than b11 when describing an altered dominant extension.