



































ALL INTERVALS FROM MINOR SECOND TO MAJOR SEVENTH

	INTERVALS	DOWN	INTERVAL	NOTE	INTERVAL	UP	TONES	SEMITONES
	DESCENDING	MODE		C		ASCENDING	MODE	
	SECONDS	B	MINOR SECOND	C	MINOR SECOND	Db	1/2	1
		Bb	MAJOR SECOND	C	MAJOR SECOND	D	1	2
	THIRDS	A	MINOR THIRD	C	MINOR THIRD	Eb	1 1/2	3
		Ab	MAJOR THIRD	C	MAJOR THIRD	E	2	4
	FOURTHS	G	PERFECT FOURTH	C	PERFECT FOURTH	F	2 1/5	5
	THREETONE	F#	THREETONE	C	THREETONE	F#	3	6
	FIFTHS	F	PERFECT FIFTH	C	PERFECT FIFTH	G	3 1/2	7
		Fb	AUGMENTED FIFTH	C	AUGMENTED FIFTH	G#	4	8
	SIXTHS	E	MINOR SIXTH	C	MINOR SIXTH	Ab	4	8
		Eb	MAJOR SIXTH	C	MAJOR SIXTH	A	4 1/2	9
	SEVENTHS	D	MINOR SEVENTH	C	MINOR SEVENTH	Bb	5	10
		Db	MAJOR SEVENTH	C	MAJOR SEVENTH	B	5 1/2	11
	DESCENDING	MODE		C#		ASCENDING	MODE	
	SECONDS	B#	MINOR SECOND	C#	MINOR SECOND	D	1/2	1
		B	MAJOR SECOND	C#	MAJOR SECOND	D#	1	2
	THIRDS	A#	MINOR THIRD	C#	MINOR THIRD	E	1 1/2	3
		A	MAJOR THIRD	C#	MAJOR THIRD	E#	2	4
	FOURTHS	G#	PERFECT FOURTH	C#	PERFECT FOURTH	F#	2 1/5	5
	THREETONE	G	THREETONE	C#	THREETONE	G	3	6
	FIFTHS	F#	PERFECT FIFTH	C#	PERFECT FIFTH	G#	3 1/2	7
		F	AUGMENTED FIFTH	C#	AUGMENTED FIFTH	Gx	4	8
	SIXTHS	E#	MINOR SIXTH	C#	MINOR SIXTH	A	4	8
		E	MAJOR SIXTH	C#	MAJOR SIXTH	A#	4 1/2	9
	SEVENTHS	D#	MINOR SEVENTH	C#	MINOR SEVENTH	B	5	10
		D	MAJOR SEVENTH	C#	MAJOR SEVENTH	B#	5 1/2	11
	DESCENDING	MODE		Db		ASCENDING	MODE	
	SECONDS	C	MINOR SECOND	Db	MINOR SECOND	Ebb	1/2	1
		Cb	MAJOR SECOND	Db	MAJOR SECOND	Eb	1	2
	THIRDS	Bb	MINOR THIRD	Db	MINOR THIRD	Fb	1 1/2	3
		Bbb	MAJOR THIRD	Db	MAJOR THIRD	F	2	4
	FOURTHS	Ab	PERFECT FOURTH	Db	PERFECT FOURTH	Gb	2 1/5	5
	THREETONE	A	THREETONE	Db	THREETONE	G	3	6
	FIFTHS	Gb	PERFECT FIFTH	Db	PERFECT FIFTH	Ab	3 1/2	7
		G	AUGMENTED FIFTH	Db	AUGMENTED FIFTH	Ax	4	8
	SIXTHS	F	MINOR SIXTH	Db	MINOR SIXTH	B	4	8
		Fb	MAJOR SIXTH	Db	MAJOR SIXTH	Bb	4 1/2	9
	SEVENTHS	Eb	MINOR SEVENTH	Db	MINOR SEVENTH	Cb	5	10
		D	MAJOR SEVENTH	Db	MAJOR SEVENTH	C	5 1/2	11
	DESCENDING	MODE		D		ASCENDING	MODE	
	SECONDS	C#	MINOR SECOND	D	MINOR SECOND	Eb	1/2	1
		C	MAJOR SECOND	D	MAJOR SECOND	E	1	2
	THIRDS	B	MINOR THIRD	D	MINOR THIRD	F	1 1/2	3
		Bb	MAJOR THIRD	D	MAJOR THIRD	F#	2	4
	FOURTHS	A	PERFECT FOURTH	D	PERFECT FOURTH	G	2 1/5	5
	THREETONE	Ab	THREETONE	D	THREETONE	G#	3	6
	FIFTHS	G	PERFECT FIFTH	D	PERFECT FIFTH	A	3 1/2	7
		Gb	AUGMENTED FIFTH	D	AUGMENTED FIFTH	A#	4	8
	SIXTHS	F#	MINOR SIXTH	D	MINOR SIXTH	Bb	4	8
		F	MAJOR SIXTH	D	MAJOR SIXTH	B	4 1/2	9
	SEVENTHS	E	MINOR SEVENTH	D	MINOR SEVENTH	C	5	10
		Eb	MAJOR SEVENTH	D	MAJOR SEVENTH	C#	5 1/2	11

INTERVALS	DOWN	INTERVAL	NOTE	INTERVAL	UP	TONES	SEMITONES
DESCENDING	MODE		D#		ASCENDING	MODE	
SECONDS	CX	MINOR SECOND	D#	MINOR SECOND	E	1/2	1
	C#	MAJOR SECOND	D#	MAJOR SECOND	E#	1	2
THIRDS	B#	MINOR THIRD	D#	MINOR THIRD	F#	1 1/2	3
	B	MAJOR THIRD	D#	MAJOR THIRD	Fx	2	4
FOURTHS	A#	PERFECT FOURTH	D#	PERFECT FOURTH	G#	2 1/5	5
THREETONE	A	THREETONE	D#	THREETONE	A	3	6
FIFTHS	G#	PERFECT FIFTH	D#	PERFECT FIFTH	A#	3 1/2	7
	G	AUGMENTED FIFTH	D#	AUGMENTED FIFTH	Ax	4	8
SIXTHS	Fx	MINOR SIXTH	D#	MINOR SIXTH	B	4	8
	F#	MAJOR SIXTH	D#	MAJOR SIXTH	B#	4 1/2	9
SEVENTHS	E#	MINOR SEVENTH	D#	MINOR SEVENTH	C#	5	10
	E	MAJOR SEVENTH	D#	MAJOR SEVENTH	Cx	5 1/2	11
DESCENDING	MODE		Eb		ASCENDING	MODE	
SECONDS	D	MINOR SECOND	Eb	MINOR SECOND	Fb	1/2	1
	Db	MAJOR SECOND	Eb	MAJOR SECOND	F	1	2
THIRDS	C	MINOR THIRD	Eb	MINOR THIRD	Gb	1 1/2	3
	Cb	MAJOR THIRD	Eb	MAJOR THIRD	G	2	4
FOURTHS	Bb	PERFECT FOURTH	Eb	PERFECT FOURTH	Ab	2 1/5	5
THREETONE	B	THREETONE	Eb	THREETONE	A	3	6
FIFTHS	Ab	PERFECT FIFTH	Eb	PERFECT FIFTH	Bb	3 1/2	7
	A	AUGMENTED FIFTH	Eb	AUGMENTED FIFTH	B	4	8
SIXTHS	G	MINOR SIXTH	Eb	MINOR SIXTH	Cb	4	8
	Gb	MAJOR SIXTH	Eb	MAJOR SIXTH	C	4 1/2	9
SEVENTHS	F	MINOR SEVENTH	Eb	MINOR SEVENTH	Db	5	10
	Fb	MAJOR SEVENTH	Eb	MAJOR SEVENTH	D	5 1/2	11
DESCENDING	MODE		E		ASCENDING	MODE	
SECONDS	D#	MINOR SECOND	E	MINOR SECOND	F	1/2	1
	D	MAJOR SECOND	E	MAJOR SECOND	F#	1	2
THIRDS	C#	MINOR THIRD	E	MINOR THIRD	G	1 1/2	3
	C	MAJOR THIRD	E	MAJOR THIRD	G#	2	4
FOURTHS	B	PERFECT FOURTH	E	PERFECT FOURTH	A	2 1/5	5
THREETONE	Bb	THREETONE	E	THREETONE	A#	3	6
FIFTHS	A	PERFECT FIFTH	E	PERFECT FIFTH	B	3 1/2	7
	Ab	AUGMENTED FIFTH	E	AUGMENTED FIFTH	B#	4	8
SIXTHS	C	MINOR SIXTH	E	MINOR SIXTH	C	4	8
	C#	MAJOR SIXTH	E	MAJOR SIXTH	C#	4 1/2	9
SEVENTHS	D	MINOR SEVENTH	E	MINOR SEVENTH	D	5	10
	D#	MAJOR SEVENTH	E	MAJOR SEVENTH	D#	5 1/2	11
DESCENDING	MODE		F		ASCENDING	MODE	
SECONDS	E	MINOR SECOND	F	MINOR SECOND	Gb	1/2	1
	Eb	MAJOR SECOND	F	MAJOR SECOND	G	1	2
THIRDS	D	MINOR THIRD	F	MINOR THIRD	Ab	1 1/2	3
	Db	MAJOR THIRD	F	MAJOR THIRD	A	2	4
FOURTHS	Bb	PERFECT FOURTH	F	PERFECT FOURTH	Bb	2 1/5	5
THREETONE	B	THREETONE	F	THREETONE	B	3	6
FIFTHS	Bb	PERFECT FIFTH	F	PERFECT FIFTH	C	3 1/2	7
	Bbb	AUGMENTED FIFTH	F	AUGMENTED FIFTH	C#	4	8
SIXTHS	A	MINOR SIXTH	F	MINOR SIXTH	D	4	8
	Ab	MAJOR SIXTH	F	MAJOR SIXTH	Db	4 1/2	9
SEVENTHS	Eb	MINOR SEVENTH	F	MINOR SEVENTH	Eb	5	10
	E	MAJOR SEVENTH	F	MAJOR SEVENTH	E	5 1/2	11

INTERVALS	DOWN	INTERVAL	NOTE	INTERVAL	UP	TONES	SEMITONES
DESCENDING	MODE		F#		ASCENDING	MODE	
SECONDS	E#	MINOR SECOND	F#	MINOR SECOND	G	1/2	1
	E	MAJOR SECOND	F#	MAJOR SECOND	G#	1	2
THIRDS	D#	MINOR THIRD	F#	MINOR THIRD	A	1 1/2	3
	D	MAJOR THIRD	F#	MAJOR THIRD	A#	2	4
FOURTHS	C#	PERFECT FOURTH	F#	PERFECT FOURTH	B	2 1/5	5
THREETONE	C	THREETONE	F#	THREETONE	C	3	6
FIFTHS	B	PERFECT FIFTH	F#	PERFECT FIFTH	C#	3 1/2	7
	Bbb	AUGMENTED FIFTH	F#	AUGMENTED FIFTH	CX	4	8
SIXTHS	A	MINOR SIXTH	F#	MINOR SIXTH	D	4	8
	Ab	MAJOR SIXTH	F#	MAJOR SIXTH	D#	4 1/2	9
SEVENTHS	G#	MINOR SEVENTH	F#	MINOR SEVENTH	E	5	10
	G	MAJOR SEVENTH	F#	MAJOR SEVENTH	EX	5 1/2	11
DESCENDING	MODE		Gb		ASCENDING	MODE	
SECONDS	F	MINOR SECOND	Gb	MINOR SECOND	Abb	1/2	1
	Fb	MAJOR SECOND	Gb	MAJOR SECOND	Ab	1	2
THIRDS	Eb	MINOR THIRD	Gb	MINOR THIRD	B	1 1/2	3
	Ebb	MAJOR THIRD	Gb	MAJOR THIRD	Bb	2	4
FOURTHS	B	PERFECT FOURTH	Gb	PERFECT FOURTH	Cb	2 1/5	5
THREETONE	Bb	THREETONE	Gb	THREETONE	C	3	6
FIFTHS	Cb	PERFECT FIFTH	Gb	PERFECT FIFTH	Db	3 1/2	7
	Cbb	AUGMENTED FIFTH	Gb	AUGMENTED FIFTH	D	4	8
SIXTHS	Bb	MINOR SIXTH	Gb	MINOR SIXTH	Eb	4	8
	Bbb	MAJOR SIXTH	Gb	MAJOR SIXTH	E	4 1/2	9
SEVENTHS	Ab	MINOR SEVENTH	Gb	MINOR SEVENTH	Fb	5	10
	Abb	MAJOR SEVENTH	Gb	MAJOR SEVENTH	F	5 1/2	11
DESCENDING	MODE		G		ASCENDING	MODE	
SECONDS	F#	MINOR SECOND	G	MINOR SECOND	Ab	1/2	1
	F	MAJOR SECOND	G	MAJOR SECOND	A	1	2
THIRDS	E	MINOR THIRD	G	MINOR THIRD	Bb	1 1/2	3
	Eb	MAJOR THIRD	G	MAJOR THIRD	B	2	4
FOURTHS	C	PERFECT FOURTH	G	PERFECT FOURTH	C	2 1/5	5
THREETONE	Cb	THREETONE	G	THREETONE	C#	3	6
FIFTHS	C	PERFECT FIFTH	G	PERFECT FIFTH	D	3 1/2	7
	Cb	AUGMENTED FIFTH	G	AUGMENTED FIFTH	D#	4	8
SIXTHS	B	MINOR SIXTH	G	MINOR SIXTH	Eb	4	8
	Bb	MAJOR SIXTH	G	MAJOR SIXTH	E	4 1/2	9
SEVENTHS	A	MINOR SEVENTH	G	MINOR SEVENTH	F	5	10
	Ab	MAJOR SEVENTH	G	MAJOR SEVENTH	F#	5 1/2	11
DESCENDING	MODE		G#		ASCENDING	MODE	
SECONDS	FX	MINOR SECOND	G#	MINOR SECOND	A	1/2	1
	F#	MAJOR SECOND	G#	MAJOR SECOND	A#	1	2
THIRDS	E#	MINOR THIRD	G#	MINOR THIRD	B	1 1/2	3
	E	MAJOR THIRD	G#	MAJOR THIRD	B#	2	4
FOURTHS	D#	PERFECT FOURTH	G#	PERFECT FOURTH	C#	2 1/5	5
THREETONE	D	THREETONE	G#	THREETONE	C	3	6
FIFTHS	C#	PERFECT FIFTH	G#	PERFECT FIFTH	D#	3 1/2	7
	C	AUGMENTED FIFTH	G#	AUGMENTED FIFTH	DX	4	8
SIXTHS	B	MINOR SIXTH	G#	MINOR SIXTH	E	4	8
	Bb	MAJOR SIXTH	G#	MAJOR SIXTH	E#	4 1/2	9
SEVENTHS	A#	MINOR SEVENTH	G#	MINOR SEVENTH	F#	5	10
	A	MAJOR SEVENTH	G#	MAJOR SEVENTH	F	5 1/2	11

INTERVALS	DOWN	INTERVAL	NOTE	INTERVAL	UP	TONES	SEMITONES
DESCENDING	MODE		Ab		ASCENDING	MODE	
SECONDS	Gbb	MINOR SECOND	Ab	MINOR SECOND	Bbb	1/2	1
	Gb	MAJOR SECOND	Ab	MAJOR SECOND	Bb	1	2
THIRDS	F	MINOR THIRD	Ab	MINOR THIRD	Cb	1 1/2	3
	Fb	MAJOR THIRD	Ab	MAJOR THIRD	C	2	4
FOURTHS	Eb	PERFECT FOURTH	Ab	PERFECT FOURTH	Db	2 1/5	5
THREETONE	E	THREETONE	Ab	THREETONE	D	3	6
FIFTHS	Db	PERFECT FIFTH	Ab	PERFECT FIFTH	Eb	3 1/2	7
	D	AUGMENTED FIFTH	Ab	AUGMENTED FIFTH	E	4	8
SIXTHS	Db	MINOR SIXTH	Ab	MINOR SIXTH	Fb	4	8
	C#	MAJOR SIXTH	Ab	MAJOR SIXTH	F	4 1/2	9
SEVENTHS	Bb	MINOR SEVENTH	Ab	MINOR SEVENTH	Gb	5	10
	B	MAJOR SEVENTH	Ab	MAJOR SEVENTH	G	5 1/2	11
DESCENDING	MODE		A		ASCENDING	MODE	
SECONDS	G#	MINOR SECOND	A	MINOR SECOND	Bb	1/2	1
	G	MAJOR SECOND	A	MAJOR SECOND	B	1	2
THIRDS	F#	MINOR THIRD	A	MINOR THIRD	C	1 1/2	3
	F	MAJOR THIRD	A	MAJOR THIRD	C#	2	4
FOURTHS	E	PERFECT FOURTH	A	PERFECT FOURTH	D	2 1/5	5
THREETONE	Eb	THREETONE	A	THREETONE	D#	3	6
FIFTHS	D	PERFECT FIFTH	A	PERFECT FIFTH	E	3 1/2	7
	Db	AUGMENTED FIFTH	A	AUGMENTED FIFTH	E#	4	8
SIXTHS	C	MINOR SIXTH	A	MINOR SIXTH	F	4	8
	Cb	MAJOR SIXTH	A	MAJOR SIXTH	F#	4 1/2	9
SEVENTHS	B	MINOR SEVENTH	A	MINOR SEVENTH	G	5	10
	Bb	MAJOR SEVENTH	A	MAJOR SEVENTH	G#	5 1/2	11
DESCENDING	MODE		A#		ASCENDING	MODE	
SECONDS	Gx	MINOR SECOND	A#	MINOR SECOND	B	1/2	1
	G#	MAJOR SECOND	A#	MAJOR SECOND	B#	1	2
THIRDS	Fx	MINOR THIRD	A#	MINOR THIRD	C#	1 1/2	3
	F#	MAJOR THIRD	A#	MAJOR THIRD	Cx	2	4
FOURTHS	E#	PERFECT FOURTH	A#	PERFECT FOURTH	D#	2 1/5	5
THREETONE	E	THREETONE	A#	THREETONE	Dx	3	6
FIFTHS	D#	PERFECT FIFTH	A#	PERFECT FIFTH	E#	3 1/2	7
	D	AUGMENTED FIFTH	A#	AUGMENTED FIFTH	Ex	4	8
SIXTHS	C#	MINOR SIXTH	A#	MINOR SIXTH	F#	4	8
	C	MAJOR SIXTH	A#	MAJOR SIXTH	Fx	4 1/2	9
SEVENTHS	B#	MINOR SEVENTH	A#	MINOR SEVENTH	G#	5	10
	B	MAJOR SEVENTH	A#	MAJOR SEVENTH	G	5 1/2	11
DESCENDING	MODE		Bb		ASCENDING	MODE	
SECONDS	A	MINOR SECOND	Bb	MINOR SECOND	Cb	1/2	1
	Ab	MAJOR SECOND	Bb	MAJOR SECOND	C	1	2
THIRDS	G	MINOR THIRD	Bb	MINOR THIRD	Db	1 1/2	3
	Gb	MAJOR THIRD	Bb	MAJOR THIRD	D	2	4
FOURTHS	F	PERFECT FOURTH	Bb	PERFECT FOURTH	Eb	2 1/5	5
THREETONE	Fb	THREETONE	Bb	THREETONE	E	3	6
FIFTHS	Eb	PERFECT FIFTH	Bb	PERFECT FIFTH	F	3 1/2	7
	E	AUGMENTED FIFTH	Bb	AUGMENTED FIFTH	F#	4	8
SIXTHS	Db	MINOR SIXTH	Bb	MINOR SIXTH	Gb	4	8
	D	MAJOR SIXTH	Bb	MAJOR SIXTH	G	4 1/2	9
SEVENTHS	C	MINOR SEVENTH	Bb	MINOR SEVENTH	Ab	5	10
	Cb	MAJOR SEVENTH	Bb	MAJOR SEVENTH	A	5 1/2	11

	INTERVALS	DOWN	INTERVAL	NOTE	INTERVAL	UP	TONES	SEMITONES	
	DESCENDING	MODE		B		ASCENDING	MODE		
	SECONDS	A#	MINOR SECOND	B	MINOR SECOND	C	1/2	1	
		A	MAJOR SECOND	B	MAJOR SECOND	C#	1	2	
	THIRDS	G#	MINOR THIRD	B	MINOR THIRD	D	1 1/2	3	
		G	MAJOR THIRD	B	MAJOR THIRD	D#	2	4	
	FOURTHS	F#	PERFECT FOURTH	B	PERFECT FOURTH	E	2 1/5	5	
	THREETONE	F	THREETONE	B	THREETONE	F	3	6	
	FIFTHS	E	PERFECT FIFTH	B	PERFECT FIFTH	F#	3 1/2	7	
		E _b	AUGMENTED FIFTH	B	AUGMENTED FIFTH	F _x	4	8	
	SIXTHS	D	MINOR SIXTH	B	MINOR SIXTH	G	4	8	
		D	MAJOR SIXTH	B	MAJOR SIXTH	G#	4 1/2	9	
	SEVENTHS	C#	MINOR SEVENTH	B	MINOR SEVENTH	A	5	10	
		C	MAJOR SEVENTH	B	MAJOR SEVENTH	A#	5 1/2	11	