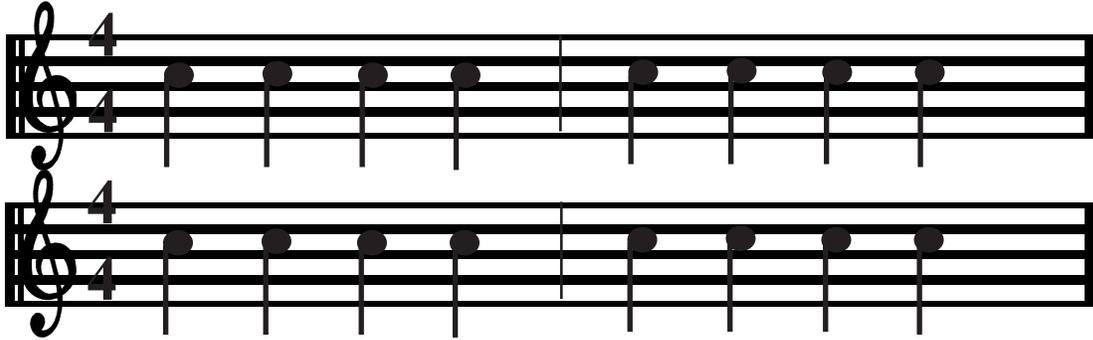


# The Matrix of Ratios: Timing ratios in Music

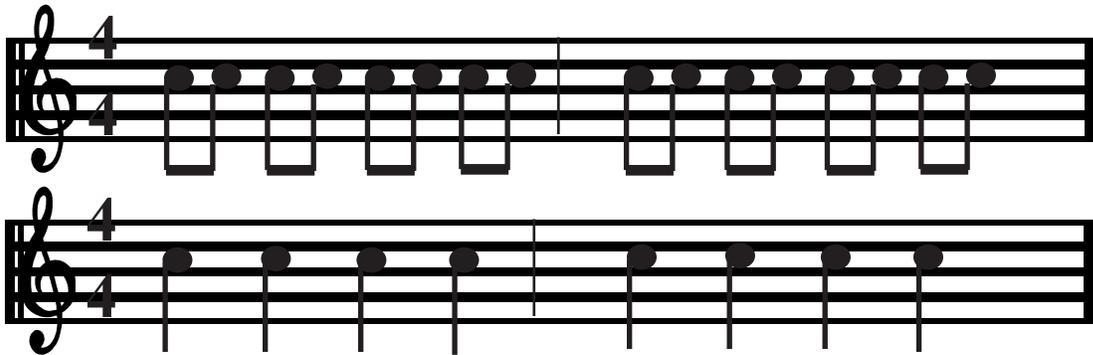
One note per 1 beat	Quarter notes	1:1
Two notes per 1 beat	Eighth notes	2:1
Three notes per 1 beat	8th note Triplets	3:1
Four notes per 1 beat	16th notes	4:1
Five notes per 1 beat	quintuplets	5:1
Six notes per 1 beat	16th note triplets	6:1
Seven notes 1 per beat	septuplets	7:1
Eight notes 1 per beat	32nd notes	8:1
Nine notes 1 per beat		9:1
Ten notes per 1 beat		10:1
One note every 2 beats	Half notes	1:2
Two notes every 2 beats	Quarter notes	2:2
Three notes every 2 beats	Quarter Note Triplets	3:2
Four notes every 2 beats	8th notes	4:2
Five notes every 2 beats	half note quintuplets	5:2
Six notes every 2 beats	8th note triplets	6:2
Seven notes every 2 beats		7:2
Eight notes every 2 beats	16th notes	8:2
Nine notes every 2 beats		9:2
Ten notes every 2 beats		10:2
One note every 3 beats	Dotted Half	1:3
Two notes every 3 beats	Dotted Quarters	2:3
Three notes every 3 beats	Quarter Notes	3:3
Four notes every 3 beats	Dotted 8ths Notes	4:3
Five notes every 3 beats		5:3
Six notes every 3 beats	8th notes	6:3
Seven notes every 3 beats		7:3
Eight notes every 3 beats	16th notes	8:3
Nine notes every 3 beats	8th note triplets	9:3
Ten notes every 3 beats		10:3
One note every 4 beats	Whole notes	1:4
Two notes every 4 beats	Half notes	2:4
Three notes every 4 beats	Half Note Triplets	3:4
Four notes every 4 beats	Quarter notes	4:4
Five notes every 4 beats		5:4
Six notes every 4 beats	Quarter note triplets	6:4
Seven notes every 4 beats		7:4
Eight notes every 4 beats	8th notes	8:4
Nine notes every 4 beats		9:4
Ten notes every 4 beats		10:4

# The Matrix of Ratios:

One note per 1 beat                      Quarter notes                      1:1



Two notes per 1 beat                      Eighth notes                      2:1



Three notes per 1 beat	8th note Triplets	3:1
Four notes per 1 beat	16th notes	4:1
Five notes per 1 beat	5-tuplets	5:1
Six notes per 1 beat	16th note triplets	6:1
Seven notes 1 per beat		7:1
Eight notes 1 per beat	32nd notes	8:1
Nine notes 1 per beat		9:1
Ten notes per 1 beat		10:1

One note every 2 beats	Half notes	1:2
Two notes every 2 beats	Quarter notes	2:2
Three notes every 2 beats	Quarter Note Triplets	3:2
Four notes every 2 beats	8th notes	4:2
Five notes every 2 beats		5:2
Six notes every 2 beats	8th note triplets	6:2
Seven notes every 2 beats		7:2
Eight notes every 2 beats	16th notes	8:2
Nine notes every 2 beats		9:2
Ten notes every 2 beats		10:2

One note every 3 beats	Dotted Half	1:3
Two notes every 3 beats	Dotted Quarters	2:3
Three notes every 3 beats	Quarter Notes	3:3
Four notes every 3 beats	Dotted 8ths Notes	4:3
Five notes every 3 beats		5:3
Six notes every 3 beats	8th notes	6:3
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Eight notes every 3 beats	16th notes	8:3
Nine notes every 3 beats	8th note triplets	9:3
Ten notes every 3 beats		10:3
One note every 4 beats	Whole notes	1:4
Two notes every 4 beats	Half notes	2:4
Three notes every 4 beats	Half Note Triplets	3:4
Four notes every 4 beats	Quarter notes	4:4
Five notes every 4 beats		5:4
Six notes every 4 beats	Quarter note triplets	6:4
Seven notes every 4 beats		7:4
Eight notes every 4 beats	8th notes	8:4
Nine notes every 4 beats		9:4
Ten notes every 4 beats		10:4











