John McGuire

CLOCKWORK 360

for septet

Sample

(2026)

Sample

CLOCKWORK 360 **John McGuire**

ENSEMBLE

Piano

Cello Bass Clarinet

Viola Clarinet in A

Violin Clarinet in B♭

Conductor

STRUCTURE

Sections	I	II	III	IV	V	VI	
Circles	5	5	5	5	5	5	= 30 circles of 5ths
Groups	15	15	15	15	15	15	= 90 (3 groups per circle)
Steps	60	60	60	60	60	60	= 360 (12 steps per circle)
Page	1	14	21	41	55	68	

RHYTHM

Each of the 90 groups has one pair of tempi (e.g. ♩. = 108, ♩ = 162) with a constant ♪ pulse (in this case ♪ = 324), one pair of meters (6/8, 3/4) and an accent pattern that aligns with the tempi and with the meters.

Pairs of meters are composed of a sequence of two and three accents 6/8 ♩.> ♩.> 3/4 ♩> ♩> ♩> | and their reverse.

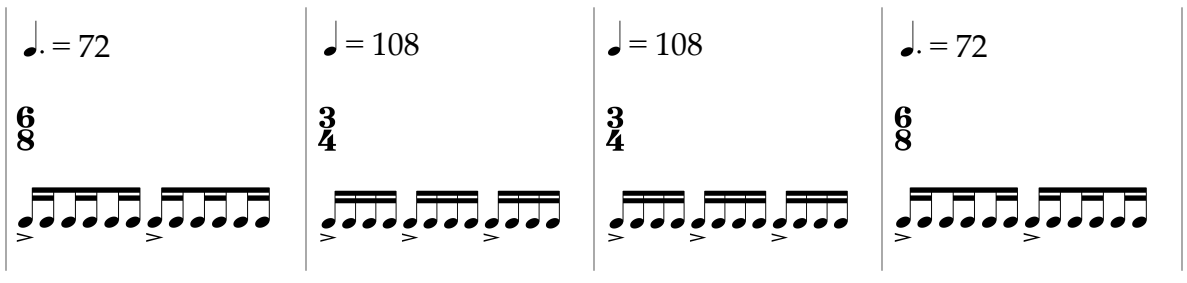
In the clarinets these meters are defined by the distance between accents as measured in ♪s.

Sample

	6/8	3/4	3/4	6/8	
	♩.> ♩.>	♩> ♩> ♩>	♩> ♩> ♩>	♩.> ♩.>	number of occurrences
3 clarinets	3 3	2 2 2	2 2 2	3 3	48
Distance between accents in ♪s	6 6	4 4 4	4 4 4	6 6	24
	12 12	8 8 8	8 8 8	12 12	12
	24 24	16 16 16	16 16 16	24 24	6
					90

ALTERNATING TEMPI

The tempo pair ♩. = 108, ♩ = 162 alternates with the tempo pair ♩. = 72, ♩ = 108. In both cases the accent pattern should be continued throughout.



DYNAMICS

The dynamic level in the strings and clarinets should hover at ***p***, framed by marcato accent patterns. The piano minima should be close to inaudible, rising briefly above the strings and clarinets at maxima.

DURATION about 18 minutes.

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Sample

CLOCKWORK 360

Score in C

I 1

♩. = 108

♩ = 162

JOHN MCGUIRE

Clarinet in B♭

Clarinet in A

Bass Clarinet in B♭

Piano

Violin

Viola

Cello

sim.

sim.

Sample

7

sim.

sim.

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I 2

♩. = 72

♩ = 108

13

sim.

sim.

Sample

I 3

♩. = 108

♩ = 162

19

I 4

♩. = 72

♩ = 108

24

sim.

sim.

Sample

28

I 5

♩. = 108

♩ = 162

32

Sample

I 6

♩. = 72

♩ = 108

37

I 7

♩. = 108

♩ = 162

42

Sample

I 8

♩. = 72

♩ = 108

46

51

Sample

55

59

Sample

I 9

♩. = 108

♩ = 162

63

68

74

Sample

I 10

♩. = 72

♩ = 108

80

Sample

I 11

♩. = 108

♩ = 162

84

I 12

♩. = 72

♩ = 108

89

93

Sample

I 13

♩. = 108

♩ = 162

97

Sample

I 14

♩. = 72

♩ = 108

103

I 15

♩. = 108

♩ = 162

107

Sample

I 16

♩. = 72

♩ = 108

111

115

119

Sample

123

Sample

II 16

♩. = 72

♩ = 108

127

131

135

Sample

139

143

II 17

♩. = 108

♩ = 162

Sample

II 18

♩. = 72

♩ = 108

148

Sample

II 19

♩. = 108

♩ = 162

152

II 20

♩. = 72

♩ = 108

157

Sample

162

II 21

♩. = 108

♩ = 162

166

Sample

II 22

♩. = 72

♩ = 108

170

II 23

♩. = 108

♩ = 162

175

Sample

180

186

Sample

II 24

♩. = 72

♩ = 108

192

196

200

Sample

204

208

II 5

♩. = 108

♩ = 162

Sample

II 26

♩. = 72

213 ♩ = 108

Sample

II 27

♩. = 108

217 ♩ = 162

II 28

♩. = 72

♩ = 108

223

228

Sample

II 29

♩. = 108

♩ = 162

232

Sample

II 30

♩. = 72

♩ = 108

237

II 31

♩. = 108

241 ♩ = 162

Sample

247