

Two Numbers
by Erik Carlson
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EXPLANATION:

Each player plays from his/her own part.

The part can consist of any number of pages, though each player should have the same number of pages.

Each page consists of a list of number pairs (see sample part below).

Each number in the pair has two parts, a whole number and a decimal.

An example of a number pair:

21.53 42.78

Before playing this piece, three additional numbers need to be decided upon:

- 1) the range of pitches that the player wants to use in performance (the number of pitches in this range is referred to as R)
- 2) the total number of players (referred to as P)
- 3) a certain time duration (referred to as T) (e.g. 10 second), which will help determine the length of the piece.

Each number pair indicates a note to be played.

The first number indicates the pitch, and the second number indicates the duration.

PITCH

The whole-number part of the first number (in this example 21), provides the player with the pitch to be played, by taking that number mod R, and counting up from the bottom of the range.

For example, if the player's range is one octave (R=12) starting on middle C,
 $21 \text{ mod } 12 = 9$.

9 notes up from middle C' is A'. the note to be played is the A above middle C.

The decimal part of the first number (in this example 53), is the number of cents up which the note should be played, as accurately as is possible.

DURATION

The whole-number part of the second number (in this example 42) indicates, mod (P-1), the number of events to wait before moving to the next note. An event is a new pitch articulated by another player.

If there are 5 players,

$42 \text{ mod } (5-1) = 2$.

So wait 2 events before moving on.

The decimal part of the second note (in this example .78) indicates the fraction of the decided-upon time (T) to wait in addition to the events.

If the decided upon time is 10 seconds,

$.78 \times 10 = 7.8$ seconds.

So after 2 events have occurred, wait an additional 7.8 seconds and then move on to the next note.

Ideally, one should hold one's note until the next note. However, it is acceptable to rest whenever one needs to. If this delays the entry of one's next note, that is fine. Therefor there may be silences in the piece.

GENERAL

Dynamics should always be soft.

Each player should start his/her first note whenever they want.

Each player should end when they run out of numbers in his/her part, or when too many other players have finished and therefor the requisite number of events will not occur in order to play one's next note.

I recommend using the space after each number to write the pitch or the # of events and extra time for that number, since those can be determined before the performance.

Each page of this piece belongs to the performer who performs it first.

Each player should use his/her own pages for each performance.

If a new performer would like to perform this piece, or a performer would like additional pages, I will create new pages for them.

Sample Part:

31.62	---	15.89	---
47.76	---	55.34	---
07.11	---	38.30	---
84.86	---	57.23	---
92.72	---	97.97	---
20.70	---	81.25	---
57.85	---	56.82	---
62.84	---	90.49	---
95.56	---	03.61	---
29.15	---	72.54	---
00.56	---	26.41	---
11.61	---	90.12	---
47.03	---	47.98	---
70.54	---	40.20	---
62.89	---	59.14	---
72.67	---	85.42	---
41.53	---	61.39	---
51.82	---	75.80	---
56.89	---	74.81	---
18.64	---	29.10	---
14.32	---	51.42	---
12.74	---	46.92	---
38.33	---	41.89	---
75.02	---	15.51	---
58.04	---	53.71	---
18.41	---	84.72	---
68.39	---	04.92	---
20.47	---	71.51	---
16.33	---	64.76	---
89.01	---	28.37	---
36.99	---	40.88	---
31.26	---	78.56	---
42.45	---	59.62	---
41.86	---	16.78	---
20.45	---	45.94	---
19.81	---	93.00	---
13.79	---	44.03	---
50.14	---	09.06	---
92.67	---	11.11	---
71.31	---	78.90	---
59.76	---	34.98	---
60.18	---	11.05	---
29.72	---	49.28	---
02.51	---	06.93	---
84.37	---	54.60	---
06.48	---	58.58	---
04.62	---	47.75	---
25.81	---	46.38	---
66.96	---	55.68	---
25.91	---	84.49	---
08.77	---	32.58	---
45.58	---	41.15	---
77.09	---	97.02	---
03.70	---	10.37	---
36.81	---	73.27	---
39.99	---	68.86	---
61.29	---	92.74	---
23.67	---	82.00	---
07.77	---	92.24	---
45.78	---	38.90	---
39.19	---	32.80	---
76.01	---	95.09	---
96.04	---	80.35	---
96.79	---	23.73	---
82.03	---	03.31	---
55.80	---	37.09	---
95.17	---	33.98	---
84.25	---	46.68	---
49.77	---	79.07	---