

QUIPU AS213

Owner identification: #1 (owner Leo J. Harris, St. Paul, Minnesota)

Main Cord: color W

b 3.0 cm: group of 18 pendant cords (1-18), then space of 28.0 cm

34.5 cm: end ¢

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
1	1s(4.0);6L(12.0)	36.0¢	W	16	1:1.0
1s1 ¹	4L(9.0)	19.0b	W/BB (5.0/19.0)	4	
2	8L(11.0)	28.0¢	W	8	1:1.0
2s1 ¹	9L(10.0)	26.0¢	W/BB (4.0/26.0)	9	
3	1s(4.0);6L(12.0)	34.0¢	W	16	1:1.0
3s1 ¹	5L(11.0)	25.0¢	W	5	
4	8L(12.0)	35.0¢	W	8	1:1.0
4s1	7L(10.0)	23.0¢	BB	7	
5	1s(4.0);4L(11.0)	30.0¢	W	14	1:1.0
5s1	2L(10.0)	14.0b	BB	2	
6	6L(11.0)	28.0¢	W	6	1:1.0
6s1	--	0.0b	BB	?	
7	1s(4.0)	31.0¢	W	10	1:1.0
7s1	--	0.0b	BB	?	
8	--	33.0¢	W	0	1:1.0

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
8s1	--	0.0b	BB	?	
9	1s(4.0)	31.0¢	W	10	1:1.0
9s1	--	0.0b	BB	?	
10	1s(3.5)	41.5¢	LB ²	10	1:1.0
10s1	--	0.0b	?	?	
11	1s(4.0);2L(11.0)	43.0¢	LB	12	1:1.0
11s1	--	0.0b	BB	?	
12	1s(4.0);1E(11.5)	40.5	LB	11	1:1.0
12s1	1s(2.5);1E(10.5)	27.0b	BB	11	
13	1s(3.5);5L(11.0)	39.0¢	LB	15	1:1.0
13s1	5L(10.5)	37.5¢	BB	5	
14	1s(4.0)	44.0¢	LB	10	1:1.0
14s1	6L(10.0)	22.0b	LB	6	
15	9L(12.0)	35.0¢	LB	9	1:1.0
15s1	9L(10.5)	24.5¢	LB	9	
16	1s(4.0)	39.0¢	LB	10	1:1.0
16s1	6L(10.0)	26.0¢	LB	6	
17	1s(4.0);3L(12.0)	37.0¢	LB	13	1:1.0
17s1	8L(10.0)	22.0¢	LB	8	
18	8L(11.0)	29.0b	LB	8	1:1.0
18s1	1s(3.0)	39.0¢	LB	10	

Observations

1. Construction Notes:
 - a) 1s1 is broken at 5.0 cm and a 14.0 cm cord fragment has been affixed below it. The fragment may not be from this position.
 - b) 2s1 is broken at 4.0 cm and a 13.0 cm fragment has been affixed below it and another 9.0 cm fragment below that. The two lower fragments appear to belong together but may not be from this position.
 - c) 3s1 is broken at 4.0 cm and a 21.0 cm fragment has been affixed below it. The fragment appears to be in its original position.
2. Although we record the colors as LB and BB, these may be the same color faded differentially.
3. The main cord is broken at one end. This may be a piece of a larger quipu. The piece contains a group of 18 pendants divided by color into two subgroups of 9 pendants each. Although only traces of them are left on pendants six through eleven, each pendant appears to have had one subsidiary attached to it.
4. The pendant values range from 0 to 16 including the values 0, 6, and each value from 8 to 16. The subsidiary values present range from 2 to 11 including the values 2 and each value from 4 to 11. Together the thirty values on the quipu are 0, 2, and 4, ..., 16 with some, such as 10, appearing as many as six times.

5. Calling the pendants P_{ij} where $i=1,2$ are the subgroups
and $j=1, \dots, 9$ the positions in
the subgroup

a) P_{1j} is even for $j=1, \dots, 9$;

b) $P_{1j} \geq P_{2j}$ for $j=1, 3, 5, 7, 9$

$P_{1j} < P_{2j}$ for $j=2, 4, 6, 8$.