QUIPU AS20

Museum identification: No. SA4034 (University Museum, University of Pennsylvania)

Main cord: color W

$ 3.0 cm: group of 5 pendant cords (1-5), then space of 1.0 cm.

5.0 cm: group of 5 pendant cords (6-10), then space of 6.0 cm.

12.0 cm: end

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
1	5s(10.0)	14.0b	B	5?	
2	3s(9.0); 7L(18.0)	33.0¢	W	37	
3	4s(9.0); 4L(17.0)	34.0¢	B	44	
4	3s(9.0); 9L(18.0)	32.0¢	B	39	
5	1s(9.0); 7L(18.0)	31.0¢	B:W	17	
6	4s(9.0); 4L(17.5)	34.5¢	B	44	
7	3s(10.0); 8L(19.0)	38.0¢	W	38	
8	2s(8.5); 8L(18.0)	39.5¢	B	28	
9	2s(9.0); 5L(18.0)	35.0¢	B	25	
10	1s(10.0); 2L(19.0)	38.0¢	B:W	12	

Observations

1. This quipu and AS18 are not, to our knowledge, associated, but are given identical numbers SA4034 by the owner.

2. By spacing there are 2 groups of 5 pendants each.

3. Both groups have the same color pattern—B,W,B,B,B:W.

4. Represent the value on the pendant in position j in group i by V_{ij} where
   i=1,2; j=1,2,...,6.

   a) Comparison between groups: $V_{1j} > V_{2j}$ j=1,3,4,5,6

   b) Comparison within groups: $\left.\begin{array}{l} V_{i1} > V_{i2} \\[1em] V_{i1} > V_{i3} > V_{i4} > V_{i5} \end{array}\right\}$ i=1,2