

Table 3.A
Interval lengths in precise or mean numbers of days

No.	Interval	No. of days	No.	Interval	No. of days
<i>Basic solar periods</i>			<i>Lunar years</i>		
1	tropical year	365.24219	27	6 synodic months	177.18353
2	sidereal year	365.25636	28	12 synodic months	354.36706
3	eclipse year	346.62008	29	13 sidereal months	355.18158
<i>Basic lunar periods</i>			30	18 synodic months	531.55058
4	synodic month	29.53059	<i>Planetary sidereal counts</i>		
5	sidereal month	27.32166	31	Mercury SESI ₁	357.8
6	draconic month	27.21222	32	Mercury SESI ₅	1789.0
<i>Basic planetary periods</i>			33	Mercury SESI ₆	2146.8
7	Mercury synodic	115.87754	34	Mercury LESI ₁	406.7
8	Mercury sidereal	87.96939	35	Venus SESI ₁	295.6
9	Venus synodic	583.92166	36	Venus LESI ₁	406.9
10	Venus sidereal	224.70116	37	Venus LESI ₂	813.8
11	Mars synodic	779.93651	38	Mars SESI ₁	543.9
12	Mars sidereal	686.99576	39	Mars LESI ₁	706.3
13	Jupiter synodic	398.88421	40	Mars LESI ₇	4944.1
14	Jupiter sidereal	4332.8486	41	Mars LESI ₈	5650.4
15	Saturn synodic	378.09208	42	Jupiter SESI ₁	4127.8
16	Saturn sidereal	10764.44	43	Jupiter LESI ₁	4364.3
<i>Basic day counts</i>			44	Jupiter LESI ₆	26185.8
17	7-day week	7	45	Saturn SESI ₁	10637.2
18	9-day cycle	9	46	Saturn SESI ₂	21274.4
19	13-day cycle	13	47	Saturn LESI ₁	10897.9
20	20-day cycle	20			
21	30-day cycle	30			
<i>Complex day counts</i>					
22	260-day calendar (13x20)	260			
23	Long Count tun (18x20)	360			
24	computing year (4x7x13)	364			
25	365-day calendar (18x20) +5	365			
26	819-day cycle (7x9x13)	819			

Notes

Sources for *Basic solar periods*:

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Sources for *Basic lunar periods*:

- Richard A. Parker, *The Calendars of Ancient Egypt*, The Oriental Institute of the University of Chicago, Studies in Ancient Oriental Civilization, No. 26 (Chicago: University of Chicago Press, 1950), 2.
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William D. Stahlman and Owen Gingerich, *Solar and Planetary Longitudes for Years -2500 to +2000* (Madison: University of Wisconsin Press, 1963), xv.

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Parker, *The Calendars of Ancient Egypt*, 51-56.
Thompson, *Maya Hieroglyphic Writing: Introduction*, 66-103, 212-17.

Sources for *Lunar years*:

- Mark E. Cohen, *The Cultic Calendars of the Ancient Near East* (Bethesda, Maryland: CDL Press, 1993), 3-20.
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John H. Linden, “Glyph X of the Maya Lunar Series: An Eighteen-Month Lunar Synodic Calendar,” *American Antiquity*, 51 (1986): 122-36 and “The Deity Head Variants of Glyph C”, in Merle G. Robertson, ed., *Eighth Palenque Round Table* (San Francisco: Pre-Columbian Art Research Institute, Palenque Round Table Series, vol. 10, 1996), 343-56, accessed at precolumbia.org/pari/publications/RT10/Linden1996.pdf.
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Marc Zender and Joel Skidmore, “Unearthing the Heavens: Classic Maya Murals and Astronomical Tables at Xultun, Guatemala,” *Mesoweb Reports* (2012), accessed at mesoweb.com/reports/Xultun.pdf.

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