

Table 2.K
Temporal-expression Sets in the Book of Mormon

Summary				
Interval type	No. of factors of close accords	No. of close accords with intervals	No. of near accords with intervals	Total No.
7-day week	0	8	0	8
9-day cycle	0	7	0	7
13-day cycle	0	7	0	7
20-day cycle	4	7	0	11
30-day cycle	5	3	0	8
260-day calendar	6	0	0	6
Long Count tun computing year	13 1	1 0	0 0	14 1
365-day year	0	0	0	0
819-day cycle	0	0	0	0
draconic month	1	15	19	35
sidereal month	1	5	20	26
synodic month	5	5	11	21
draconic or eclipse year	0	2	5	7
13-sidereal month year	0	0	1	1
6-synodic month semester	0	0	0	0
12-synodic month year	0	0	0	0
18-synodic month year	1	0	0	1
tropical year	0	1	5	6
sidereal year	0	1	5	6
Mercury sidereal period	3	3	4	10
Mercury synodic period	1	5	5	11
Venus sidereal period	5	3	0	8
Venus synodic period	2	2	0	4
Mars sidereal period	0	0	0	0
Mars synodic period	8	0	0	8
Jupiter sidereal period	2	0	0	2
Jupiter synodic period	0	0	2	2
Saturn sidereal period	2	0	0	2
Saturn synodic period	0	1	1	2
Total No.	60	76	78	214

Data			
Formal and possibly formal expressions ¹			
Set No.	Set description	Set illustration	Set-sums
1.	1st (D) letter-set	326	326
2.	1st (A) letter-set	327	327
3.	2nd (D) letter-set	330+344	674
4.	2nd (A) letter-set	345+346	691
5.	3rd (D) letter-set	349	349
6.	3rd (A) letter-set	350	350
7.	4th (D) letter-set	10 or (10+10 if Mormon 3:4 is a D)	10 or 20

¹ Mormon 2:2-3, 9, 15-16, 22, 28; 3:1, 4, 7-8; 4:1, 7, 10, 15; 5:5-6; 6:5; 8:6.

<u>Set No.</u>	<u>Set description</u>	<u>Set illustration</u>	<u>Set-sums</u>
8.	Only (<i>F</i>) letter-set	360	360
9.	4th (<i>A</i>) letter-set	361+362+363+364	1450
10.	5th (<i>D</i>) letter-set	366	366
11.	5th (<i>A</i>) letter-set	367 or (367+375 if Mormon 4:16 is an <i>A</i>)	367 or 742
12.	6th (<i>D</i>) letter-set	379	379
13.	6th (<i>A</i>) letter-set	380	380
14.	7th (<i>D</i>) letter-set	384 or (384+400 if Mormon 8:6 is included)	384 or 784
15.	All (<i>A</i>) letter-sets	327+691+350+1450+367 or 742+380	3565 or 3940
16.	All (<i>D</i>) letter-sets	326+674+349+10 or 20+366+379+384 or 784	2488 or 2498 or 2888 or 2898
17.	Total formal expressions	360+3565 or 3940+2488 or 2498 or 2888 or 2898	6413 or 6423 or 6813 or 6823 or 6788 or 6798 or 7188 or 7198

<u>Set No.</u>	<u>Set-context</u>	<u>Near or close accord</u>
1.	326 days	a close accord with the length of 12 mean draconic months (about 326.5466 days) a near accord with the length of 12 mean sidereal months (about 327.8599 days) a near accord with the length of 11 mean synodic months (about 324.8365 days)
2.	327 days	a close accord with the length of 12 mean draconic months (about 326.5466 days) a close accord with the length of 12 mean sidereal months (about 327.8599 days)
3.	674 days	a close accord with the length of 3 mean sidereal periods of Venus (about 674.1035 days)
4.	691 days	no near or close accord with any interval listed in Table 3.A of Division 2
5.	349 days	a near accord with the length of 3 mean synodic periods of Mercury (about 347.6326 days)
6.	350 days	a close accord with the length of 50 7-day weeks a near accord with the length of 4 mean sidereal periods of Mercury (about 351.8776 days)
7.	10 days	1/2 of a close accord with the length of 1 20-day cycle 1/3rd of a close accord with the length of 1 30-day cycle 1/3rd of a close accord with 1 mean synodic months (about 29.5306 days) 1/26th of a close accord with the length of 1 ritual almanac (260 days) 1/36th of a close accord with the length of 1 Long Count tun (360 days) 1/78th of a close accord with 1 mean synodic period of Mars (about 779.9365 days)
	20 days	a close accord with the length of 1 20-day cycle 1/13th of a close accord with 1 ritual almanac (260 days) 1/18th of a close accord with 1 Long Count tun (360 days) 1/39th of a close accord with 1 mean synodic period of Mars (about 779.9365 days)
8.	360 days	a close accord with the length of 40 9-day cycles a close accord with the length of 18 20-day cycles a close accord with the length of 12 30-day cycles a close accord with the length of 1 Long Count tun (360 days)
9.	1450 days	a near accord with the length of 53 mean sidereal months (about 1448.0480 days) a near accord with the length of 16.5 mean sidereal periods of Mercury (about 1451.4949 days) a near accord with the length of 12.5 mean synodic periods of Mercury (about 1448.4693 days)
10.	366 days	a close accord with the length of 1 mean tropical year (about 365.2422 days) a close accord with the length of 1 mean sidereal year (about 365.2564 days) a near accord with the length of 13.5 mean draconic months (about 367.3650 days)
11.	367 days	a close accord with the length of 13.5 mean draconic months (about 367.3650 days) a near accord with the length of 13.5 mean sidereal months (about 367.8424 days) a near accord with the length of 1 mean tropical year (about 365.2422 days) a near accord with the length of 1 mean sidereal year (about 365.2564 days)
	742 days	a close accord with the length of 106 7-day weeks
12.	379 days	a close accord with the length of 1 mean synodic period of Saturn (about 378.0921 days) a near accord with the length of 14 mean draconic months (about 380.9711 days)
13.	380 days	a close accord with the length of 19 20-day cycles a close accord with the length of 14 mean draconic months (about 380.9711 days) a near accord with the length of 1 mean synodic period of Saturn (about 378.0921 days)
14.	384 days	a close accord with the length of 13 mean synodic months (about 383.8977 days) a near accord with the length of 14 mean sidereal months (about 382.5032 days)
	784 days	a close accord with the length of 112 7-day weeks a near accord with the length of 26.5 mean synodic months (about 782.5606 days)

Table 2.K-2

<u>Set No.</u>	<u>Set-context</u>	<u>Near or close accord</u>
15.	3565 days	a close accord with the length of 130.5 mean sidereal months (about 3565.4766 days)
	3940 days	a close accord with the length of 131 mean draconic months (about 3564.8008 days)
		a close accord with the length of 197 20-day cycles
		a close accord with the length of 34 mean synodic periods of Mercury (about 3939.8634 days)
16.	2488 days	a near accord with the length of 91 mean sidereal months (about 2486.2711 days)
		a near accord with the length of 91.5 mean draconic months (about 2489.9181 days)
		a near accord with the length of 7 13-sidereal month years (about 2486.2711 days)
	2498 days	a near accord with the length of 91.5 mean sidereal months (about 2499.9319 days)
	2888 days	no near or close accord with any interval listed in Table 3.A of Division 2
	2898 days	a close accord with the length of 414 7-day weeks
		a close accord with the length of 322 9-day cycles
		a close accord with the length of 106.5 mean draconic months (about 2898.1014 days)
		a near accord with the length of 106 mean sidereal months (about 2896.0960 days)
		a near accord with the length of 25 mean synodic periods of Mercury (about 2896.9385 days)
17.	6413 days	a close accord with the length of 18.5 mean draconic years (about 6412.4714 days)
	6423 days	a close accord with the length of 217.5 mean synodic months (about 6422.9033 days)
		a close accord with the length of 236 mean draconic months (about 6422.0839 days)
		a close accord with the length of 11 mean synodic periods of Venus (about 6423.1383 days)
		a near accord with the length of 73 mean sidereal periods of Mercury (about 6421.7655 days)
	6813 days	a close accord with the length of 757 9-day cycles
	6823 days	a near accord with the length of 231 mean synodic months (about 6821.5663 days)
	6788 days	a near accord with the length of 248.5 mean sidereal months (about 6789.4325 days)
		a near accord with the length of 249.5 mean draconic months (about 6789.4489 days)
	6798 days	no near or close accord with any interval listed in Table 3.A of Division 2
	7188 days	no near or close accord with any interval listed in Table 3.A of Division 2
	7198 days	a close accord with the length of 264.5 mean draconic months (about 7197.6322 days)
		a near accord with the length of 263.5 mean sidereal months (about 7199.2574 days)

Informal and possibly informal expressions ²

<u>Set No.</u>	<u>Set description</u>	<u>Set illustration</u>	<u>Set-sums</u>
1.	1st (<i>J</i>) letter-set	10	10
2.	Only (<i>T</i>) letter-set	24	24
3.	2nd (<i>J</i>) letter-set	11	11
4.	1st (<i>M</i>) letter-set	□ or [11+12]+ □ or [11+12]	□ or [22 or 24]
5.	1st (<i>Q</i>) letter-set	4	4
6.	3rd (<i>J</i>) letter-set	15	15
7.	2nd (<i>M</i>) letter-set	□ or [15 or 16]	□ or [15 or 16]
8.	2nd (<i>Q</i>) letter-set	16	16
9.	3rd (<i>M</i>) letter-set	□ or [345]	□ or [345]
10.	Only (<i>R</i>) letter-set	□ or (10 if Mormon 3:4 is an <i>R</i>)	□ or 10
11.	4th (<i>M</i>) letter-set	□ or [361]	□ or [361]
12.	3rd (<i>Q</i>) letter-set	□ or (375 if Mormon 4:16 is a <i>Q</i>)	□ or 375
13.	5th (<i>M</i>) letter-set	□ or [375]	□ or [375]
14.	All (<i>J</i>) letter-sets	10+11+15	36
15.	All (<i>M</i>) letter-sets	□ or [22 or 24]+ □ or [15 or 16]+ □ or [345]+ □ or [361]+ □ or [375]	□ or [1118] or [1121]
16.	All (<i>Q</i>) letter-sets	4+16+ □ or 375	20 or 395
17.	Total informal expressions	36+24+ □ or [1118] or [1121]+20 or 395+ □ or 10	80 or 90 or 455 or 465 or [1198 or 1201 or 1208 or 1211 or 1573 or 1576 or 1583 or 1586]

<u>Set No.</u>	<u>Set-context</u>	<u>Near or close accord</u>
1.	10 days	(see above)
2.	24 days	1/15th of a close accord with 1 Long Count tun (360 days)

² Mormon 1:2-3, 6, 8, 11-12, 15; 2:1-2, 20; 3:4, 7; 4:16-17.

Set No.	Set-context	Near or close accord
3.	11 days	1/8th of a close accord with 1 mean sidereal period of Mercury (about 87.9694 days) 1/53rd of a close accord with 1 mean synodic period of Venus (about 583.9217 days)
4.	22 days 24 days	1/4th of a close accord with 1 mean sidereal period of Mercury (about 87.9694 days) (see above)
5.	4 days	1/5th of a close accord with 1 20-day cycle 1/7th of a close accord with 1 mean draconic month (about 27.2122 days) 1/7th of a close accord with 1 mean sidereal month (about 27.3217 days) 1/65th of a close accord with 1 ritual almanac (260 days) 1/90th of a close accord with 1 Long Count tun (360 days) 1/91st of a close accord with 1 computing year (364 days) 1/22nd of a close accord with 1 mean sidereal period of Mercury (about 87.9694 days) 1/29th of a close accord with 1 mean synodic period of Mercury (about 115.8775 days) 1/56th of a close accord with 1 mean sidereal period of Venus (about 224.7012 days) 1/133rd of a close accord with 1 18-synodic month year (about 531.5506 days) 1/146th of a close accord with 1 mean synodic period of Venus (about 583.9217 days) 1/195th of a close accord with 1 mean synodic period of Mars (about 779.9365 days) 1/1083rd of a close accord with 1 mean sidereal period of Jupiter (about 4332.8486 days) 1/2691st of a close accord with 1 mean sidereal period of Saturn (about 10764.44 days)
6.	15 days	1/2 of a close accord with 1 30-day cycles 1/2 of a close accord with 1 mean synodic month (about 29.5306 days) 1/15th of a close accord with 1 mean sidereal period of Venus (about 224.7012 days) 1/24th of a close accord with 1 Long Count tun (360 days) 1/52nd of a close accord with 1 mean synodic period of Mars (about 779.9365 days)
7.	15 days 16 days	(see above) 1/14th of a close accord with 1 mean sidereal period of Venus (about 224.7012 days)
8.	16 days	(see above)
9.	345 days	a near accord with the length of 1 mean draconic year (about 346.6201 days)
10.	10 days	(see above)
11.	361 days	1/12th of a close accord with 1 mean sidereal period of Jupiter (about 4332.8486 days)
12.	375 days	no near or close accord with any interval listed in Table 3.A of Division 2
13.	375 days	(see above)
14.	36 days	a close accord with the length of 4 9-day cycles 1/10th of a close accord with 1 Long Count tun (360 days) 1/299th of a close accord with 1 mean sidereal period of Saturn (about 10764.44 days)
15.	1118 days 1121 days	a close accord with the length of 86 13-day cycles a close accord with the length of 41 mean sidereal months (about 1120.1881 days) a near accord with the length of 38 mean synodic months (about 1122.1624 days)
16.	20 days 395 days	(see above) a close accord with the length of 14.5 mean draconic months (about 394.5772 days) a close accord with the length of 4.5 mean sidereal periods of Mercury (about 395.8623 days) a near accord with the length of 14.5 mean sidereal months (about 396.1641 days)
17.	80 days 90 days 455 days 465 days 1198 days 1201 days 1208 days 1211 days	a close accord with the length of 4 20-day cycles a near accord with the length of 3 mean sidereal months (about 81.9650 days) a near accord with the length of 3 mean draconic months (about 81.6367 days) a close accord with the length of 10 9-day cycles a close accord with the length of 3 30-day cycles 1/4 of a close accord with 1 Long Count tun (360 days) a near accord with the length of 3 mean synodic months (about 88.5198 days) a close accord with the length of 65 7-day weeks a close accord with the length of 35 13-day cycles a close accord with the length of 17 mean sidereal months (about 464.4682 days) a near accord with the length of 4 mean synodic periods of Mercury (about 463.5102 days) a close accord with the length of 44 mean draconic months (about 1197.3377 days) a near accord with the length of 3 mean synodic periods of Jupiter (about 1196.6526 days) a near accord with the length of 44 mean sidereal months (about 1202.1530 days) no near or close accord with any interval listed in Table 3.A of Division 2 a close accord with the length of 173 7-day weeks

Table 2.K-4

<u>Set No.</u>	<u>Set-context</u>	<u>Near or close accord</u>
17.	1211 days	a close accord with the length of 41 mean synodic months (about 1210.7542 days) a close accord with the length of 44.5 mean draconic months (about 1210.9438 days)
	1573 days	a close accord with the length of 121 13-day cycles a close accord with the length of 7 mean sidereal periods of Venus (about 1572.9081 days)
	1576 days	no near or close accord with any interval listed in Table 3.A of Division 2
	1583 days	a close accord with the length of 18 mean sidereal periods of Mercury (about 1583.4490 days) a near accord with the length of 58 mean sidereal months (about 1584.6563 days)
	1586 days	a close accord with the length of 122 13-day cycles a near accord with the length of 58 mean sidereal months (about 1584.6563 days)

Temporal-expression totals: alternatives R , Q , and Moroni₂'s 400 separate or included

<u>Set No.</u>	<u>Set description</u>	<u>Set-sums</u>
1.	All formal expressions	6413 or 6813
2.	All informal expressions	465 or [1583 or 1586]
3.	Total temporal-expressions	6878 or 7278 or [7996 or 7999 or 8396 or 8399]

<u>Set No.</u>	<u>Set-context</u>	<u>Near or close accord</u>
1.	Both	(see above)
2.	All three	(see above)
3.	6878 days	no near or close accord with any interval listed in Table 3.A of Division 2
	7278 days	a near accord with the length of 246.5 mean synodic months (about 7279.2904 days) a near accord with the length of 267.5 mean draconic months (about 7279.2689 days) a near accord with the length of 21 mean draconic years (about 7279.0216 days)
	7996 days	a close accord with the length of 69 mean synodic periods of Mercury (about 7995.5503 days)
	7999 days	a near accord with the length of 294 mean draconic months (about 8000.3927 days)
	8396 days	a near accord with the length of 308.5 mean draconic months (about 8394.9699 days)
	8399 days	a near accord with the length of 23 mean tropical years (about 8400.5704 days) a near accord with the length of 23 mean sidereal years (about 8400.8965 days)

Temporal-expression totals: alternatives R , A , and Moroni₂'s 400 separate or included

<u>Set No.</u>	<u>Set description</u>	<u>Set-sums</u>
1.	All formal expressions	6788 or 7188
2.	All informal expressions	90 or [1208 or 1211]
3.	Total temporal-expressions	6878 or 7278 or [7996 or 7999 or 8396 or 8399]

All Set-contexts: (see above)

Temporal-expression totals: alternatives D , A , and Moroni₂'s 400 separate or included

<u>Set No.</u>	<u>Set description</u>	<u>Set-sums</u>
1.	All formal expressions	6798 or 7198
2.	All informal expressions	80 or [1198 or 1201]
3.	Total temporal-expressions	6878 or 7278 or [7996 or 7999 or 8396 or 8399]

All Set-contexts: (see above)

Temporal-expression totals: alternatives D , Q , and Moroni₂'s 400 separate or included

<u>Set No.</u>	<u>Set description</u>	<u>Set-sums</u>
1.	All formal expressions	6423 or 6823
2.	All informal expressions	455 or [1573 or 1576]
3.	Total temporal-expressions	6878 or 7278 or [7996 or 7999 or 8396 or 8399]

All Set-contexts: (see above)
