

Planetary Origins of the Names and Sequence of Days in the Traditional Reckoning of a Week

(presumed established circa 700 BCE in Babylon, Mesopotamia)

<i>Sidereal orbits</i>	29.42 years	11.86 years	1.88 years	1.0 year	8.22 months	3.22 months	1.0 month
<i>Periodicities</i>	10,759d, 5h, 16m, 48s	4,332d, 14h, 8m, 9s	686d, 23h, 31m, 12s	365d, 6h, 9m, 9.504s	224d, 16h, 49m, 26s	87d, 23h, 15m, 22s	27d, 7h, 43m, 11s
<i>Planets</i>	SATURN	JUPITER	MARS	EARTH-SUN	VENUS	MERCURY	MOON
<i>Days/dieties</i>	SATURDAY	THURSDAY/THOR	TUESDAY/TIW	SUNDAY	FRIDAY/FREYA	WEDNESDAY/WODEN	MONDAY
<i>Jours/dieux</i>	SAMEDI	JEUDI/JOVE	MARDI	DIMANCHE/DIEU	VENDREDI	MERCREDI	LUNDI/LNE
<i>Babylonian</i>	NINURTA	MARDUK	NERGAL	SHAMASH	ISHTAR	NABU	SIN
	DAY 1, Hour 1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	DAY 2, Hour 1	2	3	4
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	DAY 3, Hour 1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	DAY 4, Hour 1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	DAY 5, Hour 1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	DAY 6, Hour 1	2	3	4	5	6
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	DAY 7, Hour 1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	DAY 8, Hour 1	2	3	4	5	6	7 ...

Weekly sequence, arranged by "first hours" (i.e., the name and sequential order of each weekday derives from the planet under which each new 24-hour alternation of light and dark – an earth-day – is renewed; sequence begins with largest orbit of the "naked-eye" planets, Saturn's)

<i>First hour</i>	DAY 1, Hour 1	DAY 2, Hour 1	DAY 3, Hour 1	DAY 4, Hour 1	DAY 5, Hour 1	DAY 6, Hour 1	DAY 7, Hour 1
<i>Name of weekday</i>	SATURDAY	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<i>Associated planet</i>	SATURN	EARTH-SUN	MOON	MARS	MERCURY	JUPITER	VENUS
<i>Relative orbit period</i>	7	4	1	5	2	6	3