

10. OCTOBER. Begins on Wednesday, has 31 days. 1856.

Moon's Phases.

	D.	H.	M.
First Quarter,	7	0	42 M.
Full Moon,	13	6	3 E.
Last Quarter,	20	1	11 E.
New Moon,	28	4	59 E.

PROB. 25.—The stakes in the corner of a rail fence stand at an angle of 86° and 60°. A round body (a rail) rests between them, weighing 200 lbs. How much of this rests upon each stake?

PROB. 26.—If a tree is fifty feet high, and six feet around, top and bottom, and a squirrel runs fifty times around it in going up, how far will he travel? 300 ft

PROB. 27.—A clock whose pendulum is

Day of Mon.	Day of Week.	Phenomena, Chronology, etc.	Sun rises. H. M.	Sun sets. H. M.	Sun's dec. N. °	Moon's place.	Moon sets. H. M.	Moon south. H. M.	High water. H. M.
1	Wed	Daybreak 4 25.	6 12	5 48	3 27	♏	6 46	1 34	10 26
2	Thu	1st R. R. U. S. 1833.	6 13	5 47	3 50	♏	7 12	2 17	10 54
3	Fri	♀ so. 1 5. Look out	6 14	5 46	4 13	♏	7 43	3 4	11 21
4	Sat	♀ near ♀. for frosty	6 16	5 44	4 36	♏	8 22	3 55	11 51
5	E	20th Sun. aft. Trin.	6 17	5 43	5 0	♏	9 10	4 48	morn.
6	Mon	♂ 90° W. of Sun.	6 18	5 42	5 23	♏	10 8	5 44	0 25
7	Tue	Daybreak 4 32.	6 20	5 40	5 46	♏	11 15	6 41	1 6
8	Wed	♀ so. 11 0. nights.	6 21	5 39	6 9	♏	morn.	7 37	1 59
9	Thu	Pulaski died 1779.	6 22	5 38	6 31	♏	0 29	8 31	3 18
10	Fri	♀ so. 1 11. Rain.	6 24	5 36	6 54	♏	1 44	9 23	4 59
11	Sat	♂ near Neptune.	6 25	5 35	7 17	♏	3 2	10 15	6 26
12	E	America dis. 1492.	6 26	5 34	7 39	♏	4 17	11 6	7 22
13	Mon	Daybreak 4 38.	6 28	5 32	8 2	♏	rises.	11 58	8 7
14	Tue	Wellington d. 1852.	6 29	5 31	8 24	♏	5 45	morn.	8 47
15	Wed	♂ near ♀. Fair.	6 30	5 30	8 46	♏	6 20	0 53	9 29
16	Thu	N. Webster b. 1758.	6 32	5 28	9 8	♏	7 1	1 51	10 11
17	Fri	♀ Inf. ♂. Stormy.	6 33	5 27	9 30	♏	7 52	2 51	10 52
18	Sat	St. Luke. ♂ highest.	6 34	5 26	9 52	♏	8 49	3 53	11 35
19	E	Daybreak 4 44.	6 36	5 24	10 14	♏	9 52	4 53	ev. 20
20	Mon	♀ so. 10 8. Windy.	6 37	5 23	10 36	♏	10 58	5 50	1 7
21	Tue	Mercury in ♀.	6 38	5 22	10 58	♏	morn.	6 42	2 8
22	Wed	B. Red Bank 1777.	6 39	5 21	11 18	♏	0 4	7 30	3 34
23	Thu	♂ enters ♀. Smoky	6 41	5 19	11 39	♏	1 6	8 14	5 6
24	Fri	D. Webster d. 1852.	6 42	5 18	12 0	♏	2 8	8 55	6 22
25	Sat	Daybreak 4 50.	6 43	5 17	12 21	♏	3 6	9 34	7 15
26	E	23d Sun. aft. Trin.	6 45	5 15	13 41	♏	4 5	10 13	7 55
27	Mon	♂ in apogee. and	6 46	5 14	13 2	♏	5 4	10 52	8 28
28	Tue	♀ south 9 33½.	6 47	5 13	13 22	♏	sets.	11 32	8 57
29	Wed	♂ farthest south.	6 48	5 12	13 42	♏	5 16	ev. 15	9 27
30	Thu	♀ sou. 1 32. cloudy.	6 50	5 10	14 1	♏	5 44	1 1	9 56
31	Fri	Moon near Venus.	6 51	5 9	14 21	♏	6 26	1 51	10 25

11. NOVEMBER

Moon's

First Quarter
Full Moon,
Last Quarter
New Moon,

Day of Mon.	Day of Week.	P Ch
1	Sat	Dayk
2	E	24th
3	Mon	♀ so
4	Tue	Ft. F
5	Wed	♀ so
6	Thu	Bat.
7	Fri	Day
8	Sat	♂ no
9	E	Delug
10	Mon	♀ so
11	Tue	♂ in
12	Wed	Moc
13	Thu	Day
14	Fri	♂ 1
15	Sat	♂ h
16	E	♀ in
17	Mon	♀ so
18	Tue	♀ so
19	Wed	Day
20	Thu	
21	Fri	Sun
22	Sat	♀ fi
23	E	27th
24	Mon	♀ so
25	Tue	Day
26	Wed	♂
27	Thu	Ne
28	Fri	♀ i
29	Sat	Mc
30	E	1st