

3. JUNE.

Begins on Sunday, has 30 days.

1856.

Moon's Phases.

	D.	H.	M.
New Moon,	2	6	44 E.
First Quarter,	10	8	54 M.
Full Moon,	18	6	56 M.
Last Quarter,	25	5	22 M.

how many surface and solid inches will be cut out?

PROB. 14.—A rope 100 feet long, is fastened to two fixed points in a horizontal line, they being 80 feet apart. How much will the rope sag?

PROB. 15.—If 4 men saw 15 cords of oak in the same time 5 men saw 14 cords of hickory; and if 3 men saw 18 cords of

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 rises. H. M.	Moon south. H. M.	High water. H. M.
1	E	2d Sun. aft. Trinity.	4 38	7 22	22 9	☾	3 15	10 41	7 34
2	Mon	Daybr'k 2 29. Fair	4 37	7 23	22 17	☾	sets.	11 39	8 27
3	Tue	Trans. of ♀. and cool	4 37	7 23	22 24	☾	8 41	ev. 39	9 14
4	Wed	☉ highest. showers.	4 36	7 24	22 31	☾	9 41	1 39	10 0
5	Thu	☽ in ☿. Cloudy.	4 36	7 24	22 38	☾	10 32	2 37	10 44
6	Fri	Gen. Gaines d. 1849.	4 36	7 24	22 44	☾	11 10	3 31	11 27
7	Sat	Daybreak 2 25.	4 35	7 25	22 50	☾	11 41	4 20	morn.
8	E	Jackson d. 1845.	4 35	7 25	22 55	☾	morn.	5 5	0 10
9	Mon	½ farthest N. Fair.	4 35	7 25	23 0	☾	0 7	5 46	0 57
10	Tue	Riot in Boston, '768	4 34	7 26	23 5	☾	0 28	6 26	1 44
11	Wed	☉ in apog. Pleasant.	4 34	7 26	23 9	☾	0 50	7 5	2 33
12	Thu	Neptune 90° fr'm ☉.	4 34	7 26	23 12	☾	1 9	7 44	3 32
13	Fri	Daybreak 2 23.	4 33	7 27	23 16	☾	1 28	8 25	4 35
14	Sat	Bat. Marengo 1800.	4 33	7 27	23 19	☾	1 50	9 9	5 30
15	E	J. K. Polk di. 1849.	4 33	7 27	23 21	☾	2 14	9 56	6 26
16	Mon	½ ☉ ☽. Showers.	4 33	7 27	23 23	☾	2 43	10 48	7 16
17	Tue	Bunker's Hill 1775.	4 32	7 28	23 25	☾	rises.	11 44	8 0
18	Wed	Moon lowest. Clear.	4 32	7 28	23 26	☾	8 20	morn.	8 43
19	Thu	Daybreak 2 22.	4 32	7 28	23 27	☾	9 14	0 43	9 24
20	Fri	Burgoyne's proc. '77.	4 32	7 28	23 28	☾	9 58	1 43	10 5
21	Sat	Madison di. 1836.	4 32	7 28	23 28	☾	10 35	2 40	10 47
22	E	5th Sun. aft. Trinity.	4 32	7 28	23 27	☾	11 4	3 35	11 31
23	Mon	Neptune stationary.	4 32	7 28	23 26	☾	11 21	4 27	ev. 17
24	Tue	St. John Bap. Hot	4 32	7 28	23 25	☾	11 56	5 16	1 7
25	Wed	Daybreak 2 23. and	4 33	7 27	23 24	☾	morn.	6 4	2 1
26	Thu	Cromwell pro. 1657.	4 33	7 27	23 21	☾	0 20	6 52	3 1
27	Fri	Cholera N. Y. 1832.	4 33	7 27	23 19	☾	0 46	7 41	4 5
28	Sat	B. Monmouth 1778.	4 33	7 27	23 16	☾	1 15	8 33	5 5
29	E	H. Clay d. 1852. dry.	4 33	7 27	23 13	☾	1 51	9 28	6 11
30	Mon	☉ highest. Showery.	4 33	7 27	23 9	☾	2 32	10 26	7 14

hickory in 3 days, at 12 hours a day, how many hours a day must 7 men work to saw 90 cords of oak in six days?

7. JULY

Moon's

New Moon,
First Quarter,
Full Moon,
Last Quarter,
New Moon,

Day of Mon.	Day of Week.	Ch.
1	Tue	Dayl
2	Wed	☽ sta
3	Thu	Cap.
4	Fri	Inde
5	Sat	B. C
6	E	7th S
7	Mon	Dayl
8	Tue	Burk
9	Wed	☉ in
10	Thu	☉ ne
11	Fri	Ham
12	Sat	Mars
13	E	Dayl
14	Mon	C
15	Tue	☉ lo
16	Wed	B. S
17	Thu	Bat.
18	Fri	☽ ne
19	Sat	Dayl
20	E	9th S
21	Mon	☉ in
22	Tue	☉ er
23	Wed	Bag
24	Thu	Bat.
25	Fri	Dayl
26	Sat	Cole
27	E	☽ in
28	Mon	☉ hi
29	Tue	Jupi
30	Wed	Moo
31	Thu	2