

1856.

5. MAY.

Begins on Thursday, has 31 days.

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Moon's Phases.

	D.	H.	M.	
New Moon,	4	9	46	M.
First Quarter,	11	3	49	E.
Full Moon,	19	7	1	E.
Last Quarter,	27	0	38	M.

PROB. 11.—Given $x^6y^3-x^{12}=9728$: and $x^2y^2+x^2y^2=40320$ to find x and y . Who will do it?

PROB. 12.—If a two inch auger be bored centrally through a sign post of three equal sides, each of which is 1 foot, how many surface and solid inches will be cut out?

PROB. 13.—If a two-inch auger be bored centrally through the side of a round post four feet long and two inches in diameter,

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	Thu	St. Philip & James.	5 66	54	15 17	♊	3 23	9 24	6 22
2	Fri	☉ in perigee. <i>Cool</i>	5 56	55	15 35	♊	3 50	10 14	7 18
3	Sat	♂ & ♀. <i>for the</i>	5 36	57	15 53	♊	4 16	11 6	8 4
4	E	6th Sun. aft. Easter.	5 26	58	16 10	♊	sets.	12 0	8 48
5	Mon	☉ near ♀. <i>season.</i>	5 16	59	16 27	♊	8 42	ev. 57	9 33
6	Tue	Bat. Prague 1757.	5 07	0 16	44 8	♊	9 54	1 56	10 15
7	Wed	Dayb'ak 3 4. <i>Rain</i>	4 59	7 1	17 0	♊	10 59	2 56	10 56
8	Thu	☉ high'st. <i>and wind.</i>	4 58	7 2	17 17	♊	11 53	3 54	11 36
9	Fri	♂ so. 9 1. <i>Fair</i>	4 57	7 3	17 33	♊	morn.	4 50	morn.
10	Sat	Riot in N. Y. 1849.	4 56	7 4	17 48	♊	0 37	5 40	0 23
11	E	Pentecost. <i>and</i>	4 55	7 5	18 3	♊	1 14	6 27	1 11
12	Mon	☉ east of Regulus.	4 54	7 6	18 19	♊	1 41	7 10	2 7
13	Tue	Dayb'k 2 54. <i>warm.</i>	4 53	7 7	18 33	♊	2 5	7 50	3 15
14	Wed	☉ apogee. <i>Growing</i>	4 52	7 8	18 48	♊	2 26	8 29	4 34
15	Thu	Puebla capt'd. 1847.	4 51	7 9	19 2	♊	2 44	9 8	5 43
16	Fri	♂ so. 8 33. <i>weather.</i>	4 50	7 10	19 16	♊	3 4	9 48	6 40
17	Sat	John Jay d. 1829.	4 49	7 11	19 29	♊	3 24	10 30	7 25
18	E	Trinity Sunday.	4 48	7 12	19 42	♊	3 47	11 15	8 1
19	Mon	Daybreak 2 45.	4 47	7 13	19 55	♊	rises.	morn.	8 38
20	Tue	☉ enters ♄. <i>Look</i>	4 47	7 13	20 8	♊	8 23	0 4	9 12
21	Wed	St. Helena 1762.	4 46	7 14	20 20	♊	9 30	0 57	9 46
22	Thu	Moon lowest. <i>for a</i>	4 45	7 15	20 31	♊	10 28	1 54	10 21
23	Fri	J. Randolph d. 1833	4 44	7 16	20 43	♊	11 19	2 52	10 56
24	Sat	Copernicus, d. 1543.	4 43	7 17	20 54	♊	11 59	3 50	11 37
25	E	Daybreak 2 36.	4 43	7 17	21 5	♊	morn.	4 46	ev. 21
26	Mon	Joh. Calvin d. 1564.	4 42	7 18	21 15	♊	0 33	5 39	1 12
27	Tue	♀ near ♄. <i>drought.</i>	4 41	7 19	21 25	♊	1 1	6 29	2 11
28	Wed	N. Webster d. 1843.	4 40	7 20	21 35	♊	1 28	7 18	3 22
29	Thu	Cap. Mexico 1847.	4 40	7 20	21 44	♊	1 51	8 6	4 38
30	Fri	Moon in perigee.	4 39	7 21	21 53	♊	2 17	8 56	5 42
31	Sat	<i>Dry and dusty.</i>	4 39	7 21	22 1	♊	2 45	9 47	6 41