Moon's Phases.	D.	Toronto.	Quebec.
		h m	h m
● New Moon.	2	4 13 mo	4 45 mo
◑ First Quar.	10	2 5 mo	2 37 mo
○ Full Moon.	17	4 14 ev	4 46 ev
◔ Last Quar.	24	9 45 mo	10 17 mo
● New Moon.	31	3 51 ev	4 23 ev
☾ Apogee ...	9	1 39 mo	2 11 mo
☾ Perigee ...	21	3 21 mo	3 53 mo

Twilight or Daylight begins and ends at—

Days.	Toronto. Beg. A. M.	Toronto. End P. M.	Halifax. Beg. A. M.	Halifax. End P. M.	Montreal. Beg. A. M.	Montreal. End P. M.	Fredricton Beg. A. M.	Fredricton End P. M.	Quebec. Beg. A. M.	Quebec. End P. M.
	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
1	2 1	10 6	1 50	10 17	1 39	10 26	1 32	10 35	1 20	10 47
2	2 14	9 56	2 2	10 8	1 52	10 18	1 46	10 24	1 36	10 34
3	2 28	9 44	2 20	9 54	2 12	10 1	2 6	10 6	1 58	10 14
4	2 46	9 26	2 41	9 31	2 33	9 39	2 28	9 41	2 22	9 50

Ephemeris of the Planets, &c.

Day. Mo.	Venus South Morn.	Mars South. Even.	Jupit'r South. Morn.	Saturn South. Morn.	Sun's Longitude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupit'r Right Ascen.	Saturn Right Ascen.	Venus Decl. North.	Mars Decl. South.	Jupit'r Decl. North.	Saturn Decl. North.
	h m	h m	h m	h m	° ′	h m	h m	h m	h m	h m	° ′	° ′	° ′	° ′
1 ...	11 41	6 15	5 53	11 40	99 58	6 43	6 20	12 56	0 32	6 20	23 40	6 21	1 59	22 40
7 ...	11 49	6 1	5 31	11 20	105 41	7 8	6 53	13 6	0 33	6 23	23 26	7 32	2 8	22 39
13 ...	11 58	5 48	5 9	11 59	111 24	7 33	7 25	13 16	0 35	6 27	22 46	8 44	2 14	22 37
19 ...	Ev. 6	5 36	4 46	10 39	117 7	7 57	7 56	13 27	0 36	6 30	21 43	9 58	2 18	22 35
25 ...	0 13	5 24	4 19	10 19	122 51	8 21	8 27	13 39	0 36	6 33	20 16	11 13	2 19	22 33
31 ...	0 20	5 13	3 59	9 58	128 36	8 44	8 58	13 52	0 36	6 36	18 29	12 29	2 18	22 31

Day of Month	Day of Week.	Day of Year.	Calendar for Upper Canada and Nova Scotia. Sun Rises.	Sun Sets.	Moon Sets.	Calendar for Lower Canada and New Brunswick. Sun Rises.	Sun Sets.	Moon Sets.	Department for all of Upper and Lower Canada. Pole Star in Meridian Morning.	Shadow at Noon Mark, Evening.	Mn's Age Noon.	Moon South, Morn.	Moon's Place, 7 P. M.	Sun's Declination North.
			h m	h m	h m	h m	h m	h m	h m s	h m s	days	h m	s °	° ′ ″
1	Tuesd.	183	4 19	7 48	Sets	4 19	7 47	Sets	6 27 39	12 3 35	28. 7	11 26	♊ 5	23 5 10
2	Wed.	184	4 20	7 48	8 33	4 20	7 47	8 45	6 23 41	12 3 46	0. 3	Ev. 24	do. 19	23 0 41
3	Thur.	185	4 20	7 47	9 16	4 21	7 47	9 26	6 19 50	12 3 58	1. 3	1 20	♋ 2	22 55 48
4	Friday	186	4 21	7 47	9 48	4 21	7 47	9 55	6 15 54	12 4 8	2. 3	2 11	do. 14	22 50 31
5	Satur.	187	4 22	7 47	10 15	4 22	7 46	10 20	6 11 58	12 4 19	3. 3	2 58	do. 27	22 44 50
6	SUND.	188	4 22	7 46	10 35	4 23	7 46	10 38	6 8 3	12 4 29	4. 3	3 41	♌ 9	22 38 45
7	Mond.	189	4 23	7 46	10 54	4 24	7 46	10 56	6 4 8	12 4 39	5. 3	4 22	do. 21	22 32 17
8	Tuesd.	190	4 24	7 46	11 12	4 25	7 46	11 12	6 0 13	12 4 48	6. 3	5 1	♍ 3	22 25 26
9	Wed.	191	4 25	7 45	11 29	4 25	7 45	11 27	5 56 18	12 4 57	7. 3	5 40	do. 15	22 18 11
10	Thur.	192	4 25	7 45	11 47	4 25	7 45	11 44	5 52 23	12 5 5	8. 3	6 20	do. 26	22 10 33
11	Friday	193	4 26	7 44	Morn	4 26	7 44	Morn	5 48 28	12 5 13	9. 3	7 2	♎ 8	22 2 32
12	Satur.	194	4 27	7 44	8	4 26	7 44	1	5 44 33	12 5 21	10. 3	7 47	do. 21	21 54 9
13	SUND.	195	4 28	7 43	33	4 27	7 43	24	5 40 38	12 5 28	11. 3	8 37	♏ 3	21 45 23
14	Mond.	196	4 29	7 42	1 5	4 28	7 42	55	5 36 43	12 5 35	12. 3	9 31	do. 16	21 36 15
15	Tuesd.	197	4 30	7 41	1 45	4 29	7 42	1 34	5 32 48	12 5 41	13. 3	10 29	do. 29	21 26 45
16	Wed.	198	4 30	7 41	2 40	4 30	7 42	2 28	5 28 53	12 5 46	14. 3	11 29	♐ 13	21 16 53
17	Thur.	199	4 31	7 40	Rises	4 31	7 41	Rises	5 24 58	12 5 51	15. 3	Morn	do. 27	21 6 39
18	Friday	200	4 32	7 39	8 42	4 32	7 40	8 51	5 21 3	12 5 56	16. 3	0 29	♑ 11	20 56 4
19	Satur.	201	4 33	7 39	9 12	4 33	7 39	9 17	5 17 8	12 6 0	17. 3	1 27	do. 26	20 45 8
20	SUND.	202	4 34	7 38	9 37	4 34	7 38	9 40	5 13 13	12 6 3	18. 3	2 21	♒ 10	20 33 51
21	Mond.	203	4 35	7 37	10 0	4 35	7 37	10 0	5 9 18	12 6 6	19. 3	3 12	do. 24	20 22 13
22	Tuesd.	204	4 36	7 36	10 22	4 36	7 36	10 21	5 5 22	12 6 8	20. 3	4 1	♓ 9	20 10 15
23	Wed.	205	4 37	7 35	10 44	4 37	7 35	10 41	5 1 27	12 6 10	21. 3	4 49	do. 23	19 57 56
24	Thur.	206	4 38	7 34	11 10	4 38	7 34	11 5	4 57 32	12 6 11	22. 3	5 38	♈ 7	19 45 17
25	Friday	207	4 39	7 33	11 41	4 39	7 33	11 33	4 53 37	12 6 12	23. 3	6 29	do. 21	19 32 19
26	Satur.	208	4 40	7 32	Morn	4 40	7 32	Morn	4 49 42	12 6 12	24. 3	7 23	♉ 5	19 19 1
27	SUND.	209	4 41	7 31	17	4 41	7 31	8	4 45 47	12 6 11	25. 3	8 19	do. 18	19 5 23
28	Mond.	210	4 43	7 30	1 4	4 42	7 30	52	4 41 52	12 6 10	26. 3	9 17	♊ 1	18 51 27
29	Tuesd.	211	4 44	7 28	2 0	4 43	7 29	1 47	4 37 57	12 6 9	27. 3	10 15	do. 15	18 37 12
30	Wed.	212	4 45	7 27	3 2	4 44	7 28	2 50	4 34 2	12 6 6	28. 3	11 11	do. 28	18 22 38
31	Thur.	213	4 46	7 26	Sets.	4 46	7 26	Sets.	4 30 7	12 6 4	29. 3	Eve. 3	♋ 10	18 7 47

PROB. 52.—Required the smallest four figures which being divided by 2, 3, 4, 5, 6, 7, 8, 9, will leave 1, 2, 3, 4, 5, 6, 7, 8.

PROB. 53.—The base of a triangular pyramid is 4, 5, and 6 feet, and altitude 12. Required the largest cube, and largest globe, that can be cut out of it, the cube being cut from the lower part, and the globe adjoining above.

PROB. 54.—The three lines drawn from the vertices of an equilateral triangle to a point within, are 10, 12, and 16. What are the sides of the triangle?