(11) Find the length of the longest chain that will exactly measure both 7308 in. and 8004 in. Give answer in feet.

(12) Three drovers, A, B and C, bought sheep at the same rate per head. A's drove cost $102, B's $138, and C's $99. Find how many each bought.

Exercise XLVII.—MULTIPLES AND COMMON MULTIPLES.

Form a table of the first nine multiples of: (1) 13; (2) 14; (3) 15; (4) 19; (5) 21; (6) 25; (7) 30; (8) 36; (9) 50; (10) 57; (11) 63; (12) 75.

Find three common multiples of each of: (13) 3 and 4; (14) 5 and 6; (15) 7 and 8; (16) 8 and 10; (17) 12 and 15; (18) 16 and 18; (19) 11 and 12; (20) 15 and 20; (21) 25 and 30; (22) 18 and 24.

Of what two integers are the following common multiples: (23) 30; (24) 35; (25) 42; (26) 56; (27) 84; (28) 96; (29) 121; (30) 132; (31) 187; (32) 119; (33) 169; (34) 289; (35) 631; (36) 221.

Exercise XLVIII.—LEAST COMMON MULTIPLE.

A.

Find the L. C. M. of:
(1) 4, 8 and 12.
(2) 12, 18 and 30.
(3) 21, 28 and 35.
(4) 2, 3, 4, 5 and 6.
(5) 9, 12, 22 and 33.
(6) 15, 18, 21 and 24.
(7) 9, 12, 15, 18 and 20.
(8) 4, 5, 9, 12, 15 and 20.
(9) 10, 16, 24, 40 and 64.
(10) 36, 45, 60, 75 and 84.
(11) 25, 40, 75, 100 and 120.