

LCM questions for class 6

- (i) Find the LCM of 20, 30 and 50 by short division method.
- (ii) Find the LCM of 96, 108 and 180 by short division method.
- (iii) Find the LCM of 48 and 72 by prime factorization.
- (iv) Four bells begin to toll together and toll respectively at intervals of 6, 7, 8 and 12 seconds. After how much time will they toll together again?
- (v) What is the least number of children that can be arranged in rows of 10, 15 or 25 children in each row?
- (vi) Find the LCM by the short division method.
- (a) 30, 55
- (b) 9, 27
- (c) 20, 65
- (d) 10, 15, 25
- (e) 27, 54, 63
- (vii) Find the LCM by prime factorization method.
- (a) 24, 36
- (b) 18, 27
- (c) 40, 32
- (d) 21, 14, 42
- (e) 10, 15, 18
- (viii) Find the LCM of 12, 18, 24 and 36 by short division method.
- (ix) Find the least number which is exactly divisible by each one of the numbers 12, 16 and 24.
- (x) Find the least number of stones so that heaps of 15, 20 and 30 stones can be made.

Ans. (i) 300 (ii) 4320 (iii) 144 (iv) 2 min. 48 sec (v) 150 (vi) (a) 330 (b) 27 (c) 260 (d) 150
(e) 378 (vii) (a) 72 (b) 54 (c) 160 (d) 42 (e) 90 (viii) 72 (ix) 48 (x) 60