



## Maths

### Class – VI



#### EXERCISE 3.7

1. Renu purchases two bags of fertiliser of weights 75 kg and 60 kg. Find the value of weight which can measure the weight of the fertiliser in exact number of times.
2. Three boys step off together from the same spot. Their steps measure 63 cm, 70 cm and 77 cm respectively. What is the minimum distance each should cover so that all can cover the distance in complete steps?
3. The length, breadth and height of a room are 825 cm, 675 cm and 450 cm respectively. Find the longest tape which can measure the three dimensions of the room exactly.
4. Determine the smallest 3-digit number which is exactly divisible by 8, 15 and 20.
5. Determine the greatest 3-digit number exactly divisible by 9, 15 and 18.
6. The traffic lights at three different road crossings change after 48 seconds, 72 seconds and 108 seconds respectively. If they all change together at 7 a.m., at what time will they change simultaneously again?
7. Three tankers contain 403 litres, 434 litres and 465 litres of fuel respectively. Find the maximum capacity of a container that can measure the fuel of each tanker the exact number of times.
8. Find the least number which when divided by 6, 15 and 20 leaves a remainder of 3 in each case.
9. Find the smallest 4-digit number which is divisible by 12, 15, 18 and 27.
10. Find the LCM of the following numbers :  
(a) 9 and 4    (b) 12 and 5    (c) 6 and 5    (d) 15 and 4  
Observe a common property in the obtained LCMs. Is there any relation between the numbers in each case?
11. Find the LCM of the following numbers in which one number is a multiple of other.  
(a) 5, 20    (b) 6, 18    (c) 12, 48    (d) 9, 18  
What do you observe in the results obtained?