1. Write all the factors of 24.
2. Write all the prime numbers less than 15 .
3. Find the LCM of 40,48 and 45.
4. Find the least number which when divided by 12,16,24 and 36 leaves a remainder 7 in each case.
5. Write the greatest 2-digit number and express it in terms of its prime factors.
6. Find the common factors of 20 and 28.
7. Write all the numbers less than 100 which are common multiples of 3 and 4.
8. Using divisibility tests, determine which of following numbers are divisible by 6 :

   (a) 297144 (b) 1258
9. Find the HCF of the following numbers 18,48
10. Find the LCM of 12 and 18.
11. Write three pairs of prime numbers whose difference is 2.
12. Write five pairs of prime numbers less than 20 whose sum is divisible by 5.
13. Three tankers contain 403 litres, 434 litres and 465 litres of diesel respectively. Find the maximum capacity of a container that can measure the diesel of the three containers exact number of times.
14. Determine the greatest 3-digit number exactly divisible by 8,10 and 12.
15. Case based study question:

Two tankers contain 850 litres and 680 litres of kerosene oil respectively. Find the maximum capacity of a container which can measure the kerosene oil of both the tankers when used an exact number of times.

16. Case based study question:

In a morning walk, three persons step off together. Their steps measure 80cm,85cm and 90cm respectively. What is the minimum distance each should walk so that all can cover the same distance in complete steps?

17. Case based study question:

The traffic lights at three different road crossings change after every 48 seconds, 72 seconds and 108 seconds respectively. If they change simultaneously at 7 a.m., at what time will they change simultaneously again?