

## CHAPTER 2. NATURAL NUMBERS (自然数)

1. List all the odd numbers from 20 to 30.
2. Find the even numbers between 40 and 50.
3. Find the first five odd numbers after 12.
4. Find the odd numbers between 79 and 93.
5. List the prime number between 2 and 12.
6. List the prime number between 15 and 24.
7. List the factors of 12.
8. List the factors of 15.
9. List the multiples of 5.
10. List the first 6 multiples of 2.
11. List the multiple of 4 which is less than 25.
12. List down the multiples of 12 which is smaller than 50.
13. Determine whether 6 is a factor of 108.
14. Find the prime numbers and composite numbers for 10,11,12,13,14,15,16,17,18,19,20.
15. Find the smallest composite number.
16. List the composite numbers less than 16.
17. Find the smallest and greatest factors of 36.
18. The smallest multiple of 45.
19. Express the following using index notation.
  - I.  $5 \times 5 \times 5$
  - II.  $2 \times 2 \times 2 \times 2 \times 3 \times 3$
  - III.  $7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 5 \times 5 \times 5 \times 3 \times 3 \times 3 \times 3$
  - IV.  $16 \times 16$
  - V.  $2 \times 2 \times 2 \times 8 \times 8 \times 4 \times 4 \times 4 \times 4 \times 4$
21. Find the prime factors of 15.
22. Find the prime factors of 78.
23. Find the prime factors of 605.
24. Calculate the followings:
  - I.  $2^5$
  - II.  $5^2$
  - III.  $2^3 \times 1$
  - IV.  $2^4 \times 7$
25. Find all the common factors of 12 and 16.
26. Find the HCF of the following:
  - I. 250 and 300
  - II. 30, 75, 90 and 135
  - III. 25, 35, 50 and 60
27. Find the LCM of the following:
  - I. 30 and 25
  - II. 24, 40, 60
  - III. 28 and 40
  - IV. 42, 63, 168