

Ex-8.A

Q1. Write all the factors of:

i) 15

ans - 1, 3, 5 and 15.

ii) 55

ans - 1, 5, 11 and 55.

iii) 48

ans - 1, 2, 3, 4, 6, 8, 12, 16, 24 and 48

iv) 36

ans - 1, 2, 3, 4, 6, 9, 12, 18 and 36

v) 84

ans - 1, 2, 3, 4, 6, 7, 12, 14, 21, 28, 42 and 84

Q2. Write all the prime no's:

i) Less than 25

ans - 2, 3, 5, 7, 11, 13, 17, 19 and 23.

ii) Between 15 and 35

ans - 17, 19, 23, 29 and 31.

iii) Between 8 and 76

ans - 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71 and 73.

Q3. Write the prime numbers from:

i) 5 to 45

ans - 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41 and 43.

ii) 2 to 32

ans - 2, 3, 5, 7, 11, 13, 17, 19, 23, 29 and 31.

iii) 8 to 48

ans: - 11, 13, 17, 19, 23, 29, 31, 37, 41, 43 and 47.

iv) 9 to 59

ans: - 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53 and 59.

Q4. Write the prime factors of:

i) 16

ans: - 2

ii) 27

ans: - 3

iii) 35

ans: - 5 and 7

iv) 49

ans: - 7

Q5. If P_n means prime factors of n , find:

i) P_6

ans: - 2 and 3.

ii) P_{24}

ans: - 2 and 3.

iii) P_{50}

ans: - 2 and 5.

iv) P_{42}

ans: - 2, 3 and 7.