

HW

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class :- IV Sec :- 'C'



i) Write all the factors of :

i) 15

~~$15 = 1 \times 15 = 15, 3 \times 5 =$~~

Factor of 15 = 1, 3, 5 and 15

ii) 55

Factor of 55 = 1, 5, 11 and 55

iii) 48

Factor of 48 = 1, 2, 3, 4, 6, 8, 12, 16, 24
and 48

iv) 36

Factor of 36 = 1, 2, 3, 4, 6, 9, 12, 18
and 36

v) 84

Factor of 84 = 1, 2, 3, 4, 6, 7, 12, 14,
21, 28, 42 and 84

2. write all prime numbers:

i) less than 25

= 2, 3, 5, 7, 11, 13, 17, 19, 23

ii) between 15 and 35

= 17, 19, 29, 31

iii) between 8 and 26

= 11, 13, 17, 19, 23, 29, 37, 41,
43, 47, 53, 59, 61, 67, 71, 73

3. write the prime numbers from:

i) 5 to 45

= 5, 7, 11, 13, 17, 19, 23, 29, 31,
37, 41, 43

ii) 2 to 32

= 2, 3, 5, 7, 11, 13, 17, 19, 23,
29, 31,

iii) 8 to 48

= 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47

iv) 9 to 59

= 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59

9. Write the prime factors of :

i) 16

prime factors of 16 = 2

ii) 27

prime factor of 27 = 3

iii) 35

prime factor of 35 = 5 and 7

iv) prime factor of 49 = 7

5. If P_n means prime factors of n , Find:

i) $P_6 = 2 \text{ and } 3$

ii) $P_{24} = 2 \text{ and } 3$

iii) $P_{50} = 2 \text{ and } 5$

iv) $P_{42} = 2, 3 \text{ and } 7$