HW
24.6.21

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Exercise - 8 (A)

1. Write all the factors of :-

(i) 15 - 1, 3, 5 and 15.
(ii) 55 - 1, 5, 11 and 55.
(iii) 48 - 1, 2, 3, 4, 6, 8, 12, 16, 24 and 48.
(iv) 36 - 1, 2, 3, 4, 6, 9, 12, 18 and 36.
(v) 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 and 23 are the prime nos. less than 25.
(ii) Between 15 and 36 - 17, 19, 23, 29 and 31 are the prime nos. between 15 and 35.
(iii) Between 8 and 76 - 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53 and 73 are the prime nos. between 8 and 76.

3. Write the prime nos. from :-

(i) 5 to 45 - 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47 : [illegible].

(ii) 2 to 32 - 2, 3, 5, 7, 11, 13, 17, 19, 23, 29 and 31.

(iii) 8 to 48 - 11, 13, 17, 19, 23, 29, 31, 37, 41 and 43.

(iv) 9 to 59 = 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 43, 53 and 59.

4. Write the prime factors of :-

(i) 16 = 1, 2, 4, 8 and 16.
= Prime factores of 16 = 2.

(ii) 27 = 1, 3, 7 and 27.
= Prime factors of 27 = 3.

(iii) 35 = 1, 5, 7, and 35.
= Prime factors of 35 = 5 and 7.

(iv) 49 = 1, 7 and 49.
= Prime factors of 49 = 7.

5. If p_n means prime factors of n, find:-

(i) P_6 = 1, 2, 3, and 6.
= Prime factors of P_6 = 2 and 3.

(ii) P_{24} - 1, 2, 3, 4, 6, 8, 12 and 24.
= Prime factors of P_{24} = 2 and 3.

(iii) P_{50} = 1, 2, 5, 10 and 50.
= Prime factors P_{50} = 2 and 5.

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(iv) P_{42} = 1, 2, 6, 7, and 42.
= Prime factors of P_{42} = 2, 3 and 7.