

EX-8(A)

1. Write all the factors of:

i) 15 - 1, 3, 5, 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~~

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

2) Write all prime numbers

i) less than 25

A) 2, 3, 5, 7, 11, 13, 17, 19 and 23

ii) between 15 and 35

A) 17, 19, 23, 29 and 31

iii) between 8 and 76

A) 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71 and 73

3) Write the prime numbers from:

i) 5 to 45

A \Rightarrow 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41 and 43

ii) 2 to 32

A \Rightarrow 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31

iii) 8 to 48

A \Rightarrow 11, 13, 17, 19, 23, 29, 31, 37, 41, 43 and 47

iv) 9 to 59

A \Rightarrow 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 57

4. Write the prime factors of :

i) 16 - 1, $\textcircled{2}$, 4, 8, 16

ii) 27 - 1, $\textcircled{3}$, 9, 27

iii) 35 - 1, $\textcircled{5}$, $\textcircled{7}$, 35

iv) 49 - 1, $\textcircled{7}$, 49

5. If P_n means prime numbers factors of n , find :

i) P_6 2 and 3

ii) P_{24} 2 and 3

iii) P_{50} 2 and 5

iv) P_{42} 2, 3 and 7