

Q.1 Find all the prime factors of 270. Also find all factors of 270.

(Hint : Power set can be useful)

Q2. Given $R = \{\text{Prime numbers less than 12}\}$ and $S = \{\text{Even prime}\}$, suggest an universal set for both sets and then draw a Venn diagram to represent these sets.

Q.3 Find the Union of each of the following pairs of sets:

(a) $A = \{x : x \text{ is a natural number and a factor of } 18\}$

$B = \{x : x \text{ is a natural number and less than } 6\}$

(b) $A = \{a, e, i, o, u\}$

$B = \{A, B, C\}$

(c) $A = \{1, 2, 3\}$

$B = \Phi$

