

Sets

Sets are used to interpret information. Read the sets below and interpret the following information.

1. If $A = \{1, 2, 3, 4, 5, 6, 10\}$ and $B = \{1, 3, 7, 8, 9, 10\}$ Find

(i) $A \cup B =$

(ii) $A \cap B =$

(iii) $n(A) =$

(iv) $A' =$

(v) $n(B)$

(vi) $B' =$

2. If $D = \{4, 5, 6, 10\}$ and $E = \{5, 6, 7, 8, 10\}$ Find

(i) $D \cap E =$

(ii) $n(D) =$

(iii) $D \cup E =$

(iv) $E' =$

(v) $n(E) =$

(vi) $D' =$

3. Given $M = \{M, U, L, T, I, P, L, Y\}$

$$D = \{D, I, V, I, D, E\}$$

4. $T = \{2, 4, 5\}$

(a) $n(T) =$

(a) Write down $M \cup D =$

(b) $n(M) =$