- SET
- Mathematical induction
- Relation
- Binary operations
- Show that- $(P \cap Q)X(R \cap S) = (PXR) \cap (QXS)$
- prove that $(A \cap B)X(C \cap D) = (AXC) \cap (BXD)$
- Prove that- $An(B \cup C) = (A \cap B) \cup (A \cap C)$
- prove that- $AX(B\cap C) = (AXB) \cap (AXC)$
- Binary operations
- Group
- Algebraic structure
- Show that (..., -4, -3, -2, -1, 0, 1, 2, 3, 4,...} is group
- Show that a*b=b*a
- if $a^*c = c^*a$ and $b^*c = c^*b$, then $(a^*b)^*c = c^*(a^*b)$

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