

Worksheet: Sets

NIOS · Class 11 · Mathematics · 3 questions · 11 marks

Name: _____

Date: _____

Score: _____ / 11

Q1. If $A = \{a, b, c\}$, write the power set $P(A)$ and state its cardinality. [2 marks]

Q2. In a class of 60 students, 35 play cricket, 28 play football, and 15 play both. How many students play neither sport? [4 marks]

Q3. If $U = \{1,2,3,4,5,6,7,8\}$, $A = \{1,3,5,7\}$, $B = \{2,3,4,5\}$, verify De Morgan's law: $(A \cap B)' = A' \cup B'$. [5 marks]
