

Pengenalan Set

Introduction of Set

Skor

30

Bahagian A

1. Diberi $P = \{1, 2, 3, 4, 5\}$. Antara berikut, yang manakah **tidak** benar? **SK 11.1 TP2**
 Given $P = \{1, 2, 3, 4, 5\}$. Which of the following is **not** true?

A $1 \in P$
 B $n(P) = 5$
 C $\{0\} \subset P$
 D $6 \notin P$

2. Nyatakan bilangan unsur bagi $P = \{\text{nombor perdana kurang daripada } 10\}$.
 State the number of elements in $P = \{\text{prime numbers less than } 10\}$. **SK 11.1 TP2**

A 3
 B 4
 C 5
 D 6

3. Diberi $P = \{\text{huruf vokal dalam perkataan BERJAYA}\}$ dan $Q = P$. Tentukan $n(Q)$.
 Given $P = \{\text{vowels in the word BERJAYA}\}$ and $Q = P$. Determine $n(Q)$. **SK 11.1 TP3**

A 1
 B 2
 C 3
 D 4

4. Diberi $\xi = \{a, b, c, d, e\}$ dan $P = \{a, e\}$. Jika $Q = P'$, maka $Q =$ **SK 11.2 TP3**
 Given $\xi = \{a, b, c, d, e\}$ and $P = \{a, e\}$. If $Q = P'$, then $Q =$

A $\{ \}$
 B $\{a\}$
 C $\{e\}$
 D $\{b, c, d\}$

5. Senaraikan semua subset bagi set $T = \{g, h\}$. **SK 11.2 TP3**
 List all the subsets of set $T = \{g, h\}$.

A $\{ \}, \{g\}, \{h\}, \{g, h\}$
 B $\{g\}, \{h\}, \{g, h\}$
 C $\{ \}, \{g\}, \{h\}$
 D $\{g\}, \{h\}$

6. Cari bilangan subset bagi $\{a, b, c, d\}$.
 Find the number of subsets in $\{a, b, c, d\}$. **SK 11.2 TP3**

A 4
 B 8
 C 16
 D 20

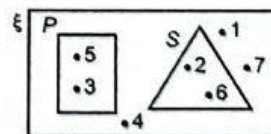
7. Diberi $\xi = \{x : 1 < x < 30, x \text{ ialah integer}\}$ dan $H = \{x : x \text{ ialah gandaan } 3\}$.

Cari $n(H')$. **SK 11.2 TP3**
 Given $\xi = \{x : 1 < x < 30, x \text{ is an integer}\}$ and $H = \{x : x \text{ is a multiple of } 3\}$. Find $n(H')$.

A 9
 B 19
 C 20
 D 21

8. Gambar rajah Venn di bawah menunjukkan set semesta ξ , set P dan set S . **SK 11.2 TP3**

The Venn diagram below shows the universal set ξ , set P and set S .



Antara berikut, yang manakah benar?
 Which of the following is true?

A $\{1, 4, 7\} \subset P$
 B $S \subset P'$
 C $S \subset P$
 D $P \subset S$