

Persilangan Set

Total questions: 10

Worksheet time: 20mins

1. Diberi $A = \{1, 3, 5, 7, 9\}$ dan $B = \{2, 3, 5, 7\}$, senaraikan semua unsur bagi persilangan set A dan set B.

a) $\{1, 3, 5, 7, 9\}$

b) $\{3, 5, 7\}$

c) $\{1, 9\}$

d) $\{1, 2, 5, 9\}$

2. Cari persilangan bagi set P dan set Q.

$$P = \{F, A, R, L, E, Y\}$$

$$Q = \{M, A, R, K, E, T\}$$

a) $\{A, E, R\}$

b) $\{F, R, L, Y\}$

c) $\{A, E\}$

d) $\{F, K, L, M, R, Y\}$

3. Diberi set $J = \{\text{nombor yang kurang daripada } 10\}$ dan set $K = \{\text{nombor kuasa dua sempurna}\}$, cari

$$J \cap K$$

a) $\{1, 2, 3, 4, 5, 6, 7, 8, 9\}$

b) $\{1, 4, 9\}$

c) $\{2, 3, 5, 7\}$

d) $\{4, 9, 16\}$

4. Diberi set $D = \{ \text{huruf vokal} \}$, nyatakan $n(D)$

a) 2

b) 3

c) 4

d) 5

5. Diberi set $M = \{ \text{gandaan 3 yang kurang daripada 20} \}$, nyatakan $n(M)$

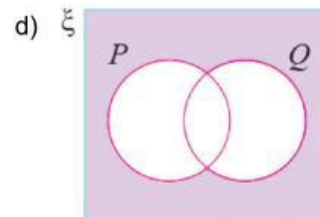
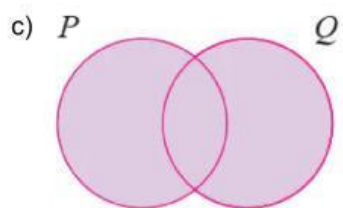
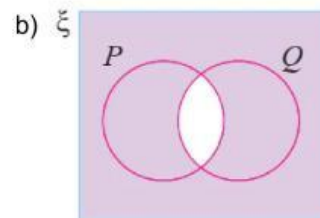
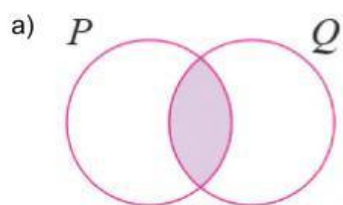
a) 4

b) 5

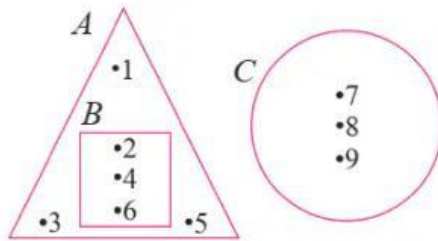
c) 6

d) 7

6. Antara berikut, gambar rajah Venn yang manakah menunjukkan rantau berlorek $P \cap Q$?



7.



Daripada gambar rajah Venn, nyatakan unsur bagi $A \cap B$.

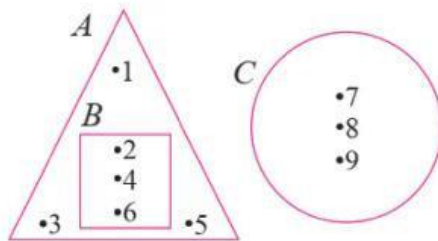
a) $\{2, 4, 6\}$

b) $\{1, 3, 5\}$

c) $\{7, 8, 9\}$

d) $\{1, 2, 3, 4, 5, 6\}$

8.



Daripada gambar rajah Venn di atas, nyatakan $A \cap C$

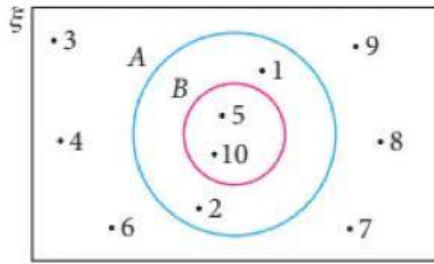
a) $\{7, 8, 9\}$

b) ϕ

c) $\{2, 4, 6\}$

d) $\{1, 3, 5\}$

9.



Daripada gambar rajah Venn, nyatakan $n(A \cap B)$

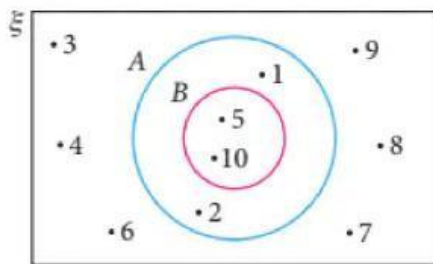
a) 2

b) 4

c) 6

d) 10

10.



Daripada gambar rajah Venn di atas, senaraikan semua unsur bagi set A.

a) {5, 10}

b) {1, 2, 5, 10}

c) {1, 2}

d) {3, 4, 6, 7, 8, 9}