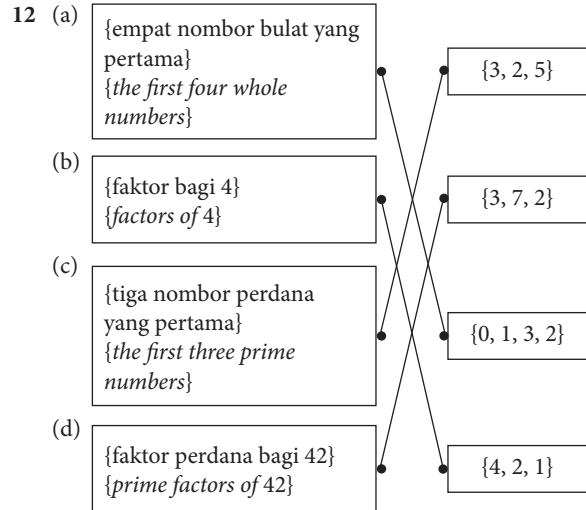


Jawapan

Praktis 11

Praktis Formatif

- 1 A Betul/Correct
 B Salah/Wrong
 C Betul/Correct
 D Betul/Correct
 Jawapan/Answer: B
- 2 (a) Nasi/Rice, Biskut/Biscuits, Kek limau/Lime cake, Roti/Bread
 (b) Jus oren/Orange juice, Kopi/Coffee, Susu/Milk, Air tebu/Sugar cane
- 3 (a) {2, 4, 6, 8, 10, 12, 14}
 (b) $\{x : x < 15, x \text{ ialah integer positif genap}\}$
 $\{x : x < 15, x \text{ is a positive even integer}\}$
 (c) Set integer positif genap yang kurang daripada 15.
 Set of positive even integers less than 15.
- 4 (a) Set huruf-huruf dalam ungkapan RUKUN NEGARA.
 A set of letters in the expression RUKUN NEGARA.
 (b) {A, E, G, K, N, R, U}
 (c) $\{x : x \text{ ialah huruf dalam ungkapan RUKUN NEGARA}\}$
 $\{x : x \text{ is a letter in the expression RUKUN NEGARA}\}$
- 5 (a) Salah/Wrong
 (b) Betul/Correct
 (c) Salah/Wrong
- 6 (a) ✓ (b) ✗
 (c) ✗ (d) ✓
- 7 (a) \in (b) \notin
 (c) \notin (d) \in
- 8 (a) 7 (b) 0
 (c) 10 (d) 9
- 9 (a) {6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21}
 (b) 16
- 10 $P = \left\{ \frac{3}{28}, \frac{5}{28}, \frac{9}{28}, \frac{11}{28}, \frac{13}{28}, \frac{15}{28}, \frac{17}{28}, \frac{19}{28}, \frac{23}{28}, \frac{25}{28}, \frac{27}{28} \right\}$
 $n(P) = 11$
- 11 (a) $C = \{(1, 9), (2, 8), (3, 7), (4, 6), (5, 5), (6, 4), (7, 3), (8, 3), (9, 1)\}$
 (b) $n(C) = 9$



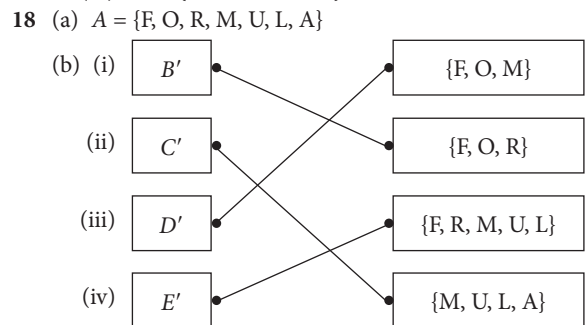
13 (a) = (b) \neq

- 14 (a) (i) {2, 3, 5, 7}
 (ii) {1, 3, 5, 7, 9}
 (b) Tidak/No

15 $P' = \{1, 2, 4, 6, 8, 9\}$
 Jawapan/Answer: B

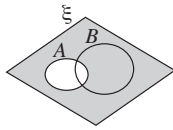
- 16 (a) $\{x : x \text{ ialah nombor nisbah}\}$
 $\{x : x \text{ is a rational number}\}$
 (b) {Huruf dalam perkataan HARMONI}
 $\{\text{Letters in the word HARMONI}\}$
 (c) {3, 5, 7, 9, 11, 13}
 (d) {i, n, d, a, h}

- 17 (a) S
 (b) (i) $P' = \{1, 2, 4, 5, 7, 8\}$
 (ii) $Q' = \{2, 4, 6, 8\}$
 (iii) $R' = \{1, 3, 5, 6, 7, 8, 9\}$

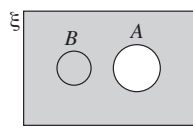


- 19 $\xi = \{9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19\}$
 (a) $A' = \{9, 10, 12, 13, 14, 16, 18, 19\}$
 (b) $B' = \{9, 11, 13, 15, 17, 19\}$

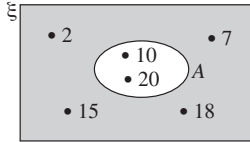
20 (a)



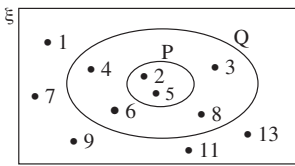
(b)



21



22 (a)



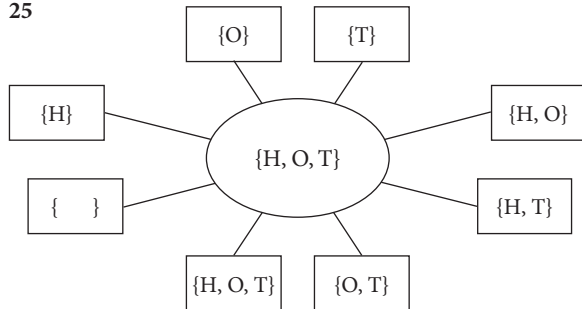
(b) (i) $P' = \{1, 3, 4, 6, 7, 8, 9, 11, 13\}$

(ii) $Q' = \{1, 7, 9, 11, 13\}$

23 (a) $A \subset B$ (b) $A \subset B$ (c) $A \not\subset B$ (d) $A \subset B$

24 $\{e, u\}, \{i\}, \emptyset, \{e, i, o, u\}$

25

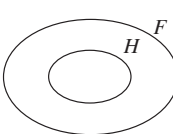


26 (a) 16

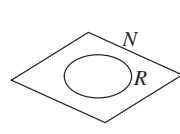
(b) (i) $\{6, 1\}, \{6, 3\}, \{6, 8\}, \{1, 3\}, \{1, 8\}, \{3, 8\}$

(ii) $\{6, 1, 3\}, \{6, 1, 8\}, \{6, 3, 8\}, \{1, 3, 8\}$

27 (a)



(b)



28 (a) $R \not\subset Q$ [X]

(b) $S \subset R$ [X]

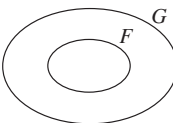
(c) $Q \subset P$ [✓]

(d) $P \not\subset S$ [✓]

29 $F = \{1, 2, 3, 4, 6, 8, 12, 24\}$

$G = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24\}$

(a)



(b) $F \subset G$

Praktis Sumatif

1 A : $P \neq Q$

B : $P \neq Q$

C : $P = Q$

D : $P \neq Q$

Jawapan/Answer: C

2 $H = \{12, 21, 30, 102, 111, 120\}$

Jawapan/Answer: D

3 $\xi = \{0, 1, 2, 3, \dots, 99\}$

$M = \{20, 40, 60, 80\}$

$n(\xi) = 100$

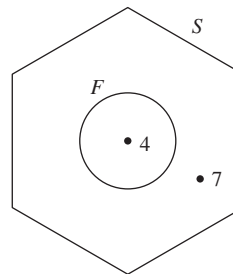
$n(M) = 4$

$n(M') = 100 - 4$

$= 96$

Jawapan/Answer: C

4



$S = \{4, 7\}$

Subset bagi S ialah $\{ \}, \{4\}, \{7\}, \{4, 7\}$.

Subsets of S are $\{ \}, \{4\}, \{7\}, \{4, 7\}$.

Jawapan/Answer: D

5 A Betul/Correct

B Betul/Correct

C Salah/Wrong

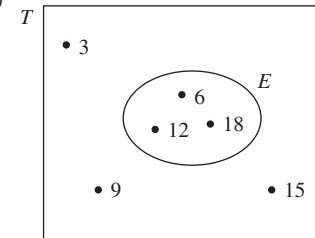
D Betul/Correct

Jawapan/Answer: C

6 (a) $E = \{6, 12, 18\}$

$T = \{3, 6, 9, 12, 15, 18\}$

(b)



(c) Subset bagi E ialah $\{ \}, \{6\}, \{12\}, \{18\}, \{6, 12\},$

$\{6, 18\}, \{12, 18\}, \{6, 12, 18\}$.

Subsets of E are $\{ \}, \{6\}, \{12\}, \{18\}, \{6, 12\},$

$\{6, 18\}, \{12, 18\}, \{6, 12, 18\}$.

7 (a) $\{17, 26, 35, 44, 53, 62\}$

(b) 6

8 $F = \{2, 3, 5, 8, 13, 21, 34\}, H = \{1, 8, 27, 64\}$

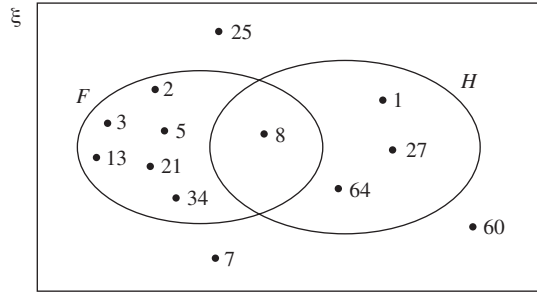
(a) (i) $1 \notin F$

(ii) $64 \in H$

(iii) $\{5, 34\} \subset F$

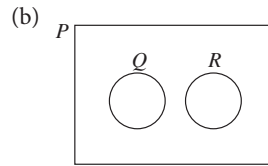
(iv) $\{49, 81\} \not\subset H$

(b)



- (c) $F' = \{1, 7, 25, 27, 60, 64\}$,
 $H' = \{2, 3, 5, 7, 13, 21, 25, 34, 60\}$

- 9 (a) (i) Q (atau/or R)
(ii) Q



- 10 (a) $3 \in A$
(b) $\{2\} \subset A$
(c) $n(A) = 3$
(d) $A' = \{1\}$