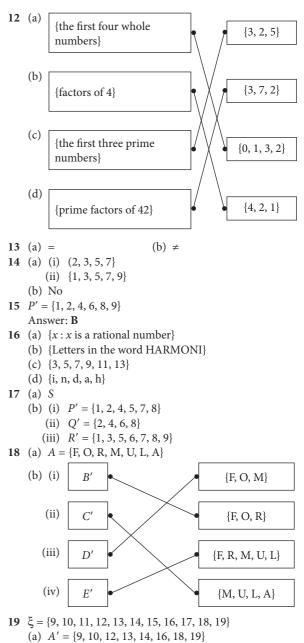
Fully-workded Solutions

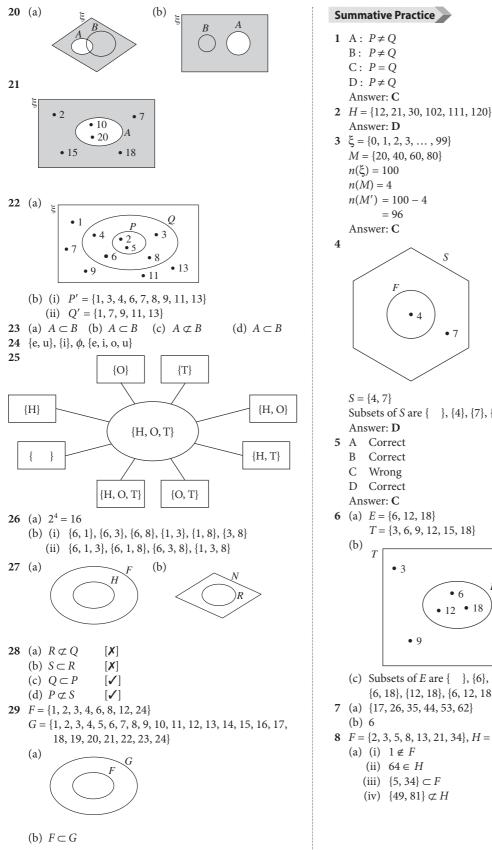
Practice 11

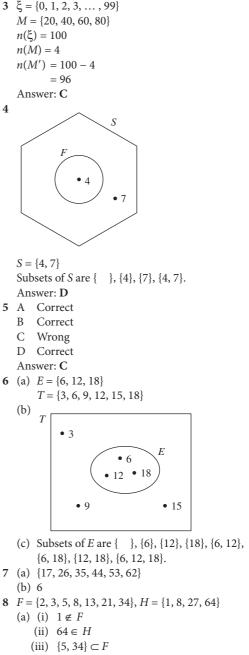
Formative Practice

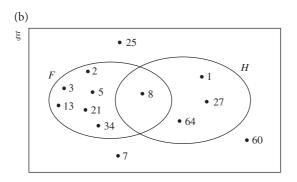
- 1 A Correct
 - B Wrong
 - C Correct
 - D Correct
 - Answer: **B**
- 2 (a) Rice, Biscuits, Lime cake, Bread
- (b) Orange juice, Coffee, Milk, Sugar cane
- **3** (a) {2, 4, 6, 8, 10, 12, 14}
 - (b) $\{x: x < 15, x \text{ is a positive even integer}\}$
- (c) Set of positive even integers less than 15.
- 4 (a) A set of letters in the expression RUKUN NEGARA.(b) {A, E, G, K, N, R, U}
 - (c) {x : x is a letter in the expression RUKUN NEGARA}
- 5 (a) False
- (b) True
- (c) False
- 6 (a) ✓ (b) X
- (c) **X** (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) $C = \{(1, 9), (2, 8), (3, 7), (4, 6), (5, 5), (6, 4), (7, 3), (8, 2), (9, 1)\}$
 - (b) n(C) = 9



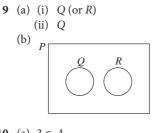
(b) $B' = \{9, 11, 13, 15, 17, 19\}$







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



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