

## TINGKATAN 1

### BAB 6

#### Praktis Sumatif

#### Bahagian A

- 1 Biar  $N$  ialah nombor yang ditambah kepada 45.  
 $45 + N = D$   
 Jawapan: C

- 2  $x + y = 635$

|     |     |     |
|-----|-----|-----|
| $x$ | 0   | 635 |
| $y$ | 635 | 0   |

Jawapan: D

- 3  $30(0.6) + 1.7x = 1.4(30 + x)$   
 $18 + 1.7x = 42 + 1.4x$   
 $0.3x = 24$   
 $x = 80 \text{ kg}$

Jawapan: D

- 4  $3x + 2y = 10$  ..... ①  
 $4x + 3y = 13$  ..... ②  
 $① \times 3: 9x + 6y = 30$  ..... ③  
 $② \times 2: 8x + 6y = 26$  ..... ④  
 $③ - ④: x = 4$   
 Gantikan  $x = 4$  ke dalam ①,  
 $3(4) + 2y = 10$   
 $2y = 10 - 12$   
 $y = -1$

Jawapan: B

- 5  $0.5x + 2y = 10$  ..... ①  
 $3x - 8y = -40$  ..... ②  
 $① \times 4: 2x + 8y = 40$  ..... ③  
 $③ + ②: 5x = 0 \rightarrow x = 0$   
 Gantikan  $x = 0$  ke dalam ①,  
 $0.5(0) + 2y = 10$   
 $2y = 10$   
 $y = 5$

Jawapan: D

- 6  $9(r + 7) = 2(s + r)$   
 $9r + 63 = 2s + 2r$   
 $2s + 2r - 9r = 63$   
 $2s - 7r = 63$

Jawapan: A

- 7  $2x + y = 18$   
 $y + 9 = 7x \rightarrow 7x - y = 9$   
 Garis  $7x - y = 9$  mempunyai pintasan- $x$  pada  $\frac{9}{7}$  dan pintasan- $y$  pada  $-9$ .  
 Persamaan serentak mempunyai penyelesaian unik.  
 Jawapan: B

- 8 Nilai puluh =  $x$ , nilai sa =  $y$   
 $y - x = 3$  ..... ①  
 $x + y = 11$  .... ②  
 $① + ②: 2y = 14 \rightarrow y = 7$   
 $x + y = 11 \rightarrow x + 7 = 11$   
 $x = 4$

Integer = 47

Jawapan: B

- 9 Jawapan: A

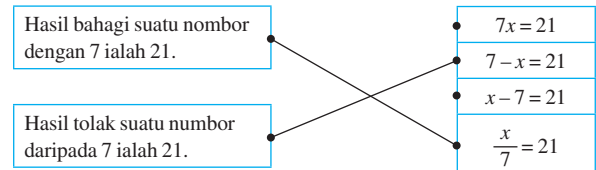
#### Bahagian B

- 1 (a) (i) 

|                        |              |
|------------------------|--------------|
| $4x - 7y = 6$          | $x$          |
| $3 - \frac{1}{2}p = 5$ | $\checkmark$ |

(ii)

- (b)



#### Bahagian C

- 1 (a) (i)  $5x = 2(y + 1) \rightarrow 5x - 2y = 2$   
 $3x + 4 = x + 2y - 6$   
 $2x - 2y = -10$   
 $x - y = -5$   
 (ii)  $5x - 2y = 2$  ..... ①  
 $x - y = -5$   
 $x = y - 5$  ..... ②  
 Gantikan ② ke dalam ①,  
 $5(y - 5) - 2y = 2$   
 $5y - 25 - 2y = 2$   
 $3y = 27$   
 $y = 9$   
 $x = 9 - 5 = 4$   
 $\therefore x = 4, y = 9$   
 (b)  $2r + t = 5$  ..... ①  
 $3r + 2t = 8$  ..... ②  
 $① \times 2: 4r + 2t = 10$  ..... ③  
 $③ - ②: r = 2$   
 Gantikan  $r = 2$  ke dalam ①,  
 $2(2) + t = 5$   
 $t = 1$   
 Harga sekeping roti = RM2  
 Harga segelas teh = RM1