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 $30(0.6) + 1.7x = 1.4(30 + x)$
$18 + 1.7x = 42 + 1.4x$
$0.3x = 24$
$x = 80$ kg
Jawapan: **D**

4 $3x + 2y = 10$ ..... ①
$4x + 3y = 13$ ..... ②
① × 3: $9x + 6y = 30$ ..... ③
② × 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 × 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) $x \xrightarrow{\times 3} 3x \xrightarrow{-8} 3x - 8$

$14 \xleftarrow{\div 3} 42 \xleftarrow{+8} 34$

2 $2x + 5y = 9$ ..... ①
$2x - 3y = 1$ ..... ②
① − ② : $8y = 8$
$y = 1$
$2x - 3 = 1$
$x = 2$

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 × 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

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