

Penyelesaian Lengkap

PRAKTIS 1

Bahagian A

1 Jawapan/Answer: A

2 $6, -12, 24, -48$
 $x \times (-2) \quad x \times (-2) \quad x \times (-2)$

Jawapan/Answer: C

3 $x = 1 + 1 = 2$

$y = 2 + 1 = 3$

Jawapan/Answer: D

4 $m = 13 + 21 = 34$

$n = 34 + 55 = 89$

Jawapan/Answer: B

5 $-19, -12, -5, 2$

$+7 \quad +7 \quad +7$

Jawapan/Answer: A

6 $x = 2\,160 \times \frac{1}{2} = 1\,080$

$y = 270 \times \frac{1}{2} = 135$

Jawapan/Answer: B

7 $0.8, 1.7, 2.6, 3.5$

$+0.9 \quad +0.9 \quad +0.9$

Jawapan/Answer: C

8 $x = 10 - 8 = 2$

Jawapan/Answer: D

9 $5, 14, 23, 32, 41$

$+9 \quad +9 \quad +9 \quad +9$

Jawapan/Answer: A

10 $13, 6, -1, -8$

$-7 \quad -7 \quad -7$

Jawapan/Answer: D

11 $T_n = 3 + 9n$

$T_{10} = 3 + 9(10)$

$= 3 + 90$

$= 93$

Jawapan/Answer: D

12 $5, 16, 27, 38, 49, 60, 71, 82$

Jawapan/Answer: B

13 $76, 70, 64, 58, 52, 46, 40, 34, \textcircled{28}$

-6

Jawapan/Answer: C

14 $8, -24, 72, -216, 648, -1\,944, 5\,832, -17\,496, 52\,488$

$x \times (-3)$

Jawapan/Answer: B

Bahagian B

1 (a)

(i)	$1 \frac{1}{4}, \frac{3}{4}, \frac{1}{4}, -\frac{1}{4}$ $-\frac{1}{2}, -\frac{1}{2}, -\frac{1}{2}$	✓
(ii)	$2.4, 7.2, 21.6, 64.8$ $\times 3 \quad \times 3 \quad \times 3$	✗

(b) (i) $1\,200, 600$
 $\div 2$

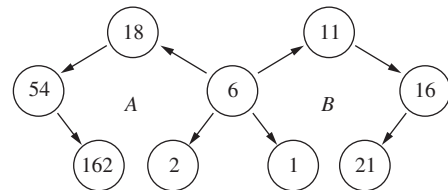
Darab nombor sebelum dengan 2. <i>Multiply the previous number by 2.</i>	
Bahagi nombor sebelum dengan 2. <i>Divide the previous number by 2.</i>	✓

(ii) $x = 600 \div 2 = 300$

2 (a) $m = 58 - 13 = 45$

(b) $2, 6, 18, 54, 162$

$\times 3$
 $1, 6, 11, 16, 21$
 $+5$



3 (a) (i) $86, 78, 70, 62, \dots$
 -8

Pola/Pattern: -8

(ii) $480, 240, 120, 60, \dots$
 $\div 2$

Pola/Pattern: $\div 2$

(b) (i) $-36, -27, \boxed{-18}, -9, \dots$
 $+9$

(ii) $45, -90, 180, \boxed{-360}$
 $\times (-2)$

4 (a) $8 = 8 + 6(0)$
 $14 = 8 + 6(1)$

$$20 = 8 + 6(2)$$

$$26 = 8 + 6(3)$$

$$8 + 6n, n = 0, 1, 2, 3, \dots$$

$$39 = 39 - 7(0)$$

$$32 = 39 - 7(1)$$

$$25 = 39 - 7(2)$$

$$18 = 39 - 7(3)$$

$$39 - 7n, n = 0, 1, 2, 3, \dots$$

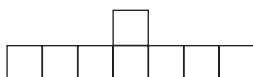
(b) 28, 19, 10, 1, -8, -17, -26, -35, -44, -53, -62, ...

$$T_5 = -8$$

$$T_{11} = -62$$

Bahagian C

1 (a)



Pola: Tambah dua segi empat sama kepada objek sebelumnya.

Pattern: Add two squares to the previous object.

(b) (i) 8.30, 10.00, 11.30, 1.00, 2.30, 4.00, 5.30, ...

Jawapan/Answer : 1.00 p.m., 2.30 p.m.

(ii) $x = 7$

Waktu bas bertolak ialah 5.30 p.m.

The departure time of the bus is 5.30 p.m.

(c) (i) $58 = 67 - 9(1)$

$$49 = 67 - 9(2)$$

$$40 = 67 - 9(3)$$

Ungkapan algebra/Algebraic expression

$$= 67 - 9n, n = 1, 2, 3, \dots$$

(ii) $T_n = 67 - 9n$

$$T_8 = 67 - 9(8)$$

$$= 67 - 72$$

$$= -5$$

(iii) $T_n = -50$

$$67 - 9n = -50$$

$$67 + 50 = 9n$$

$$9n = 117$$

$$n = 13$$

Sebutan ke-13/13th term

2 (a) (i) Tambah 6 kepada nombor sebelumnya.

Add 6 to the previous number.

(ii) $x = -29 + 6$

$$= -23$$

(iii) -35, -29, -23, -17, -11, -5, 1, 7, ...

$$T_8 = 7$$

(b) (i) 5, 9, 13, 17, 21, 25, 29, 33, ...

$$T_5 = 21$$

$$T_6 = 25$$

(ii) Jumlah/Total

$$= 5 + 9 + 13 + 17 + 21 + 25 + 29 + 33$$

$$= 152$$

(c) 63, 56, 49, 42, 35, 28, 21, 14, 7, 0

(i) $T_5 = 35$

(ii) $T_{10} = 0$

Sebutan ke-10/10th term