



Bahagian B
Section B

[20 markah]
[20 marks]

Bahagian ini mengandungi 5 soalan. Jawab **semua** soalan.
*This section consists of 5 questions. Answer **all** questions.*

1. Tulis “B” bagi nombor Fibonacci yang betul dan “S” jika sebaliknya.
Mark “B” for the correct Fibonacci numbers and “S” if otherwise.

[4 markah / 4 marks]

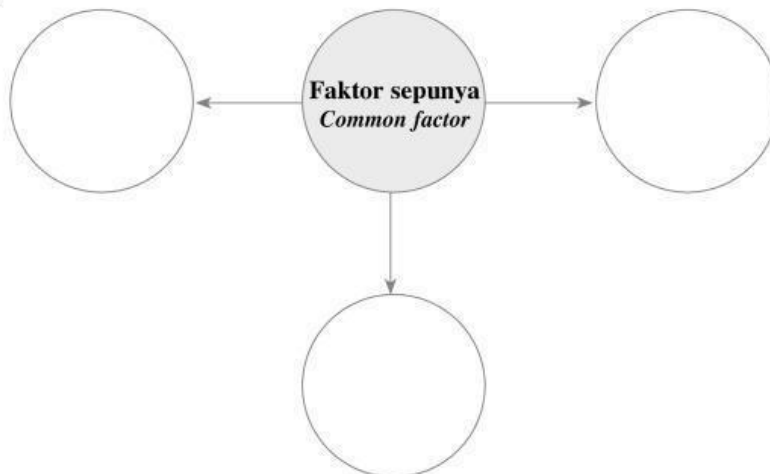
Jawapan / Answer:

1, 1, 2, 3, 6, 9, 14 ☐	12, 13, 25, 38, 63, 101 ☐
1, 3, 4, 7, 11, 18, 29 ☐	21, 31, 52, 63, 76, 99, 111 ☐

2. (a) Senaraikan semua faktor sepunya bagi $20de$, $25e^2f$, $30def$.
List all the common factors of $20de$, $25e^2f$, $30def$.

[3 markah / 3 marks]

Jawapan / Answer:



[1 markah / 1 mark]

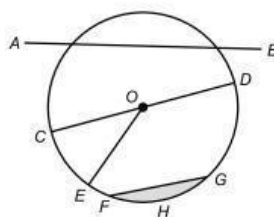
- (b) Kembangkan
Expand

$$-9(m - 3n)$$

Jawapan / Answer:



3. Berdasarkan rajah 9, namakan bahagian bulatan berikut.
Based on diagram 9, name the following parts of the circle.



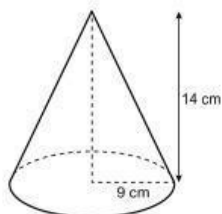
Rajah 9 / Diagram 9

[4 markah / 4 marks]

Jawapan / Answer:

- (a) Garisan CD / Line CD : _____
 (b) Titik O / Point O : _____
 (c) Rantau FGH / Region FGH : _____
 (d) Garisan AB / Line AB : _____

4. Rajah 10 menunjukkan sebuah kon dengan jejari 9 cm dan tinggi 14 cm.
Diagram 10 shows a cone with radius of 9 cm and height of 14 cm.



Rajah 10 / Diagram 10

Isi tempat kosong bagi melengkapkan penyelesaian isi padu kon tersebut.
Fill in the blank to complete the solution of the cone's volume.

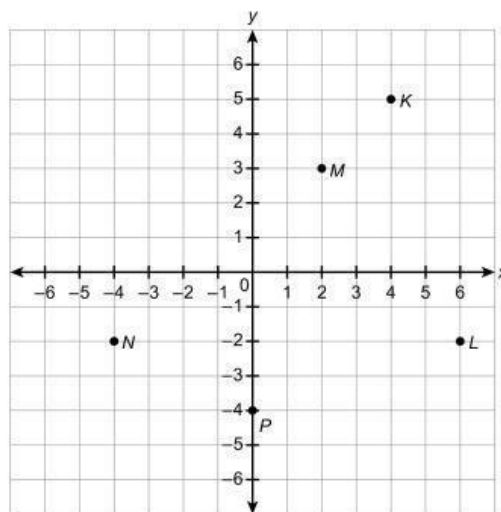
[4 markah / 4 marks]

Jawapan / Answer:

$$\begin{aligned} \text{Isi padu kon / Volume of cone} &= \frac{1}{3} \times \text{luas tapak} \times \text{tinggi} / \frac{1}{3} \times \text{base area} \times \text{height} \\ &= \frac{1}{3} \times \pi \times r^2 \times \boxed{} \\ &= \frac{1}{3} \times \frac{22}{7} \times \boxed{} \times 14 \\ &= \frac{1}{3} \times \boxed{} \\ &= \boxed{} \text{ cm}^3 \end{aligned}$$



5. Rajah 11 menunjukkan lima titik K , L , M , N , dan P pada satu satah Cartes.
Diagram 11 shows five points K , L , M , N and P on a Cartesian plane.



Rajah 11 / Diagram 11

Tandakan (✓) pada pernyataan yang betul.
Mark (✓) for the correct statement.

[4 markah / 4 marks]

Jawapan / Answer:

Titik Point	Pernyataan Statement	
K	Koordinat (4, 5). <i>Coordinates (4, 5).</i>	
	Koordinat (5, 4). <i>Coordinates (5, 4).</i>	
L	Terletak 3 unit di bawah paksi- x . <i>Lies 3 units below the x-axis.</i>	
	Terletak 6 unit di kanan paksi- y . <i>Lies 6 units to the right of the y-axis.</i>	
M	Titik tengah bagi titik K dan koordinat (0, 0). <i>Midpoint of point K and coordinates (0, 0).</i>	
	Titik tengah bagi titik K dan koordinat (0, 1). <i>Midpoint of point K and coordinates (0, 1).</i>	
N	Berada 4 unit di kanan paksi- y . <i>Lies 4 units to the right of the y-axis.</i>	
	Berada 2 unit di bawah paksi- x . <i>Lies 2 units below the x-axis.</i>	