

BAHAGIAN A

1. Rajah di bawah menunjukkan satu set nombor yang disusun mengikut suatu pola tertentu.

The diagram shows a set of numbers arranged in a certain pattern.

45, 37, 29, 21, ...

Apakah pola bagi set nombor itu?

What is the pattern of the set numbers?

- A Menolak 8 daripada nombor sebelumnya.
Subtract 8 from the number before it.
B Menolak 9 daripada nombor sebelumnya.
Subtract 9 from the number before it.
C Menambah 8 daripada nombor sebelumnya.
Add 8 from the number before it.
D Menambah 9 daripada nombor sebelumnya.
Add 9 from the number before it.

2.

32, 16, x , 4, 2, ...

Dalam urutan nombor di atas, cari nilai x .

In the number sequence, find the value of x .

- A 14 B 10
C 8 D 6

3. Cari dua nombor seterusnya dalam jujukan, 0.6, 1.8, 5.4, 16.2, ...

Find the next two numbers for the following sequence, 0.6, 1.8, 5.4, 16.2, ...

- A 84.5, 154.8 B 48.6, 145.8
C 42.5, 150.4 D 28.5, 120.6

4. Apakah nombor yang tertinggal dalam jujukan nombor -3, , 9, 15, 21, ...?

What is the missing number in the sequence number -3, , 9, 15, 21, ...?

- A 0 B 3
C 5 D 6

5. Antara berikut, yang manakah jujukan nombor genap?

Which of the following sequence is even number?

- A 1, 3, 5, 7, 9, ...
B 3, 6, 9, 12, 15, ...
C 4, 6, 8, 10, 12, ...
D 5, 10, 15, 20, 25, ...

6. Diberi sebutan ke- n , T_n , suatu jujukan ialah $2 + 3n$. Cari sebutan ke-5.

It is given that the n th term, T_n , of a sequence is $2 + 3n$. Find the 5th term.

- A 13 B 15
C 17 D 20

7. Antara berikut, yang manakah **bukan** satu jujukan?

*Which of the following is **not** a sequence?*

- A 5, 9, 13, 17, 21, ...
B 1, 1.8, 2.6, 3.4, 4.2, ...
C 14, 5, -4, -13, -22, ...
D 45, 15, 5, 0, 0.2, ...

8.

“Bermula dengan nombor 0, 1, 1, setiap nombor berikutnya ialah hasil tambah dua nombor sebelumnya.”

“Starting with number 0, 1, 1, each subsequent number is the sum of the two previous number.”

Apakah pola bagi pernyataan di atas?

What is the pattern for the statement?

- A Nombor ganjil
Odd number
B Nombor genap
Even number
C Nombor Fibonacci
Fibonacci numbers
D Segi tiga Pascal
Pascal's triangle