**Soal Evaluasi Matematika kelas 8 Pertemuan ke 4**

1. Lanjutkan tiga bilangan lagi dari pola bilangan ini!

(a) 2, 5, 8, 11, ..., ..., ....

(b) 1, 4, 9, 16, 25, ..., ..., ....

2. Lanjutkan tiga bilangan lagi dari pola bilangan ini!

(a) 3, 7, 12, 18, 25, ..., ..., ....

(b) 5, 8, 16, 31, 53, 90, ..., ..., ....

3. Tentukan tiga bilangan selanjutnya!

(a) 3, 13, 29, 51, ..., ..., ....

(b) 5, 11, 19, 30, 45, 65, ..., ..., ....

4. Lanjutkan pada segitiga Pascal serikut!

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 |  |  |  |  |  |  |  | 1 |  |  |  |  |  |  |  |
| 1 |  |  |  |  |  |  | 1 |  | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  | 1 |  | 2 |  | 1 |  |  |  |  |  |
| 3 |  |  |  |  | 1 |  | 3 |  | 3 |  | 1 |  |  |  |  |
| 4 |  |  |  | 1 |  | 4 |  | 6 |  | 4 |  | 1 |  |  |  |
| 5 |  |  | 1 |  | 5 |  | ... |  | 10 |  | ... | 1 |  |  |  |
| 6 |  | ... |  | ... |  | ... |  | ... |  | ... |  | ... |  | ... |  |
| 7 | ... |  | ... |  | ... |  | ... |  | ... |  | ... |  | ... |  | ... |

5. Tentukan empat suku awal barisan berikut!

(a) Un = 2n + 11

(b) Un = 3n - 44

(c) Un = ​ n + 5

(d) Un = -2n - 3

6. Diketahui barisan bilangan sebagai berikut:

5, 8, 11, 14, 17, 20

Untuk menjawab soal no 6 gunakan rumus Suku ke n

Rumus suku ke-n

**Un = a + (n-1)xb**

Dimana

Un = Suku ke n

a = Suku Pertama

b = Beda

= suku ke2 – suku ke 1

Berapakah:

1. Suku ke 20
2. Suku ke 30
3. Suku ke 100